

SEQUENCE LISTING

<110> Yen, Frances
 Denison, Blake
 Bour, Barbara
 Bihain, Bernard
 Dumas Milne Edwards, Jean-Baptiste
 Duclert, Aymeric
 Bougueleret, Lydie
 Ebbets-Reed, Dana
 Salter-Cid, Luisa

<120> METHODS AND COMPOSITIONS FOR INHIBITING NEOPLASTIC CELL GROWTH

<130> 89.US3.REG

<160> 6

<170> Patent.pm

<210> 1
 <211> 81001
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 10946..12946
 <223> 5'regulatory region

<220>
 <221> exon
 <222> 12947..12958
 <223> exon 1

<220>
 <221> exon
 <222> 13470..13526
 <223> exon 2

<220>
 <221> exon
 <222> 13641..13752
 <223> exon 3

<220>
 <221> exon
 <222> 14271..15968
 <223> exon 4

<220>
 <221> misc_feature
 <222> 15969..17969
 <223> 3'regulatory region

<220>
 <221> allele
 <222> 1239

<221> primer_bind
<222> 42070..42090
<223> 20-841.pu

<220>
<221> primer_bind
<222> 42572..42591
<223> 20-841.rp complement

<220>
<221> primer_bind
<222> 45328..45347
<223> 20-842.pu

<220>
<221> primer_bind
<222> 45863..45883
<223> 20-842.rp complement

<220>
<221> primer_bind
<222> 76644..76664
<223> 20-853.pu

<220>
<221> primer_bind
<222> 77166..77185
<223> 20-853.rp complement

<220>
<221> primer_bind
<222> 1220..1238
<223> 20-828-311.mis

<220>
<221> primer_bind
<222> 1240..1258
<223> 20-828-311.mis complement

<220>
<221> primer_bind
<222> 12328..12346
<223> 17-42-319.mis

<220>
<221> primer_bind
<222> 12348..12366
<223> 17-42-319.mis complement

<220>
<221> primer_bind
<222> 15222..15240
<223> 17-41-250.mis

<220>
<221> primer_bind
<222> 15242..15260
<223> 17-41-250.mis complement

```

<220>
<221> primer_bind
<222> 42199..42217
<223> 20-841-149.mis

<220>
<221> primer_bind
<222> 42219..42237
<223> 20-841-149.mis      complement

<220>
<221> primer_bind
<222> 45423..45441
<223> 20-842-115.mis

<220>
<221> primer_bind
<222> 45443..45461
<223> 20-842-115.mis      complement

<220>
<221> primer_bind
<222> 77039..77057
<223> 20-853-415.mis

<220>
<221> primer_bind
<222> 77059..77077
<223> 20-853-415.mis      complement

<220>
<221> misc_binding
<222> 1227..1251
<223> 20-828-311.probe

<220>
<221> misc_binding
<222> 12335..12359
<223> 17-42-319.probe

<220>
<221> misc_binding
<222> 15229..15253
<223> 17-41-250.probe

<220>
<221> misc_binding
<222> 42206..42230
<223> 20-841-149.probe

<220>
<221> misc_binding
<222> 45430..45454
<223> 20-842-115.probe

<220>
<221> misc binding

```

<222> 77046..77070
<223> 20-853-415.probe

<400> 1

cctcctgata	tgacatcatg	tgaactttctc	aottcacctt	taagtatttct	tagccaggca	60
cagtggcaca	tgcttgaaat	cccagcactt	tgggaggctg	aggcaggggg	atcgcttgag	120
gccaggattt	caagaccagc	ctgagcaaca	tgtcaagacc	cccacctcta	caaaaaatta	180
aaaagttagc	caggtgtggt	ggtcatgcct	gtagcccccag	ctacttagga	ggctgaggtg	240
ggaggatcac	ttgagcccag	gagtttgagg	ctgcagtgag	ctatgatcac	accactgcac	300
tccagctgga	tgacagagca	agaccctgtc	tcaaaaaaca	aaacaaaaca	aaaaacaccg	360
aaaaaacccc	acagtaaatt	agaagaaagc	tgcataaatt	agaagaagct	gatgtgaaat	420
cctgagtcca	tggttcaatt	taggagggac	catctggaga	gcagggaacc	cccaaaagtc	480
agttttcttta	ggcttatttc	cttgggccag	ccaaatttct	cagggagaat	gttgttccat	540
tttcaatatg	gggaaagatg	gtgaactgag	gagtccttta	aaaaaattta	tttttgagat	600
ggggtctcat	tctgtcgccc	aggctagaga	gcagtagcat	gatcatggct	cactgcggtc	660
tctaactcgt	gggctcaagt	aatccttctg	cctcagcctc	ctgagtagct	aggaccacag	720
gtgccaccat	acctggctaa	tttttgtatt	ctttgcagag	acaggggtctc	gctacattgc	780
ccaggetggt	atcgaactcc	tgggctcaag	cgatcctcct	gccttgccct	ctcaaagtgt	840
tgggattaca	ggcatgagcc	actgtgcccc	gcctcaaaat	ttaatgtata	aagttttcct	900
taatttttct	tagcacaaaa	accctggccc	ccaacaatac	ctagttttct	ccaggccgga	960
gtcccactct	tttacccttt	tcagagagaa	taagcatctg	gttttctgct	gctttggggg	1020
taccagcca	agtagagttg	aagagaacag	ctgcttctca	aacagactct	cgaccaactg	1080
ccatatttct	agtcccactg	ccaccactc	ttccagaaga	atgttgacac	taatgtcaga	1140
gcatttggag	agtttagtag	tgaaaatcag	gggccttctt	ggctttctcc	actgctgctt	1200
caaaattcat	gtcaggtgtg	cctgtcacca	ccgtttgayc	atttgggaagc	tttccagctt	1260
cccaaattgt	gttatttttg	tctccttttc	tattttccct	ttgggtttat	gcattttgtg	1320
aaaagtgcac	ttcaatgcca	cgttattgag	atttcagaga	acagcagagg	ctaattgcatg	1380
caattaatcc	accgtccggt	actagaagtc	aatcggatgc	tcttttagtct	ctcttcccca	1440
tatactagtt	taaaagttat	ccattctttc	tattcgtttt	atgggttatc	cttaaaattt	1500
taataattct	gtctgacctc	acaaagtcta	tagataatca	atatccctat	cttttcccg	1560
aataatgcaa	aggctgctga	atgctttcac	tttgatctct	cctttcccat	ttccaggttg	1620
cttcgggtctg	atatttttagt	tcttcattac	ttttaacacc	tcttccaaag	tagtcccttc	1680
atcaatagat	gtttttgagc	cctccctacc	atgtgataag	cactgggtcta	ggcactggga	1740
gtacagtagg	aaatgagata	aacttggcca	ggtgtagggt	ggcttacacc	tgtaatccca	1800
acacttttga	ggccgaggcg	ggcagctcgc	ttgagcccat	gagttcgaga	ccagcctggg	1860
aaacatagcg	agacccccgt	ccctacaaaa	aaatataaaa	attagctggg	catggtggtg	1920
tatgcctgtg	gtcctagcta	ctcagaagac	tgagggtggga	ggatcatctg	agcccagggt	1980
ggtcgaggct	gcagtgatta	caccactgca	ctccatctcg	ggcaacgggtg	agaccctgtc	2040
tcaaaaaaca	aacaacaaa	caagcaaaaa	aaacccccac	aaactaaact	atgtgtaaat	2100
acatttttgt	taggtagaac	tatatgaaat	tgccactatt	tgaccaattt	ttagtgaana	2160
ctagtctcat	aagtgtgtgt	gtgtgtattt	tcactaatgt	tttttggatt	tacctaaacg	2220
tttactaatt	tcattgctcc	ccatgtctcc	ttctatccta	ttcctttttt	ctgggttctg	2280
tttccttttc	agatttttag	tagttctttt	cagtgaggat	ctgtgagtg	ttaaactctct	2340
ttctctgaaa	tttaacttct	cctctcaaat	aatagttcac	ctgagtataa	gtcttggttg	2400
gccattaatt	tcttttcagt	ctttagaagg	tacattgatg	ataaatcagt	tgccggttta	2460
atcatgcttc	gtgtgtagat	cattagtctt	tctcttttgg	tgatttttaag	atatccattg	2520
ccttcagtg	tctgcagatt	cctgtgatgt	gtcctcattt	ggttgtgtgt	taatttttcc	2580
taccaagact	caggatgctt	cctgtacctg	aggattccgg	tcacatcttg	cttcaatgtt	2640
tgaaatttct	cagccatcat	cttttggaata	ttgcctcttc	cacagtccct	gtgttctctt	2700
cgtggaaatc	ctacaggcat	atatttgacc	tcccattctg	tcttccatgt	ctcttaccgt	2760
ctattcatac	cctccttttt	atattttaatt	tttttgagac	agagttttgc	tctgtggccc	2820
aggacggagt	gcaattgcat	gatcttggct	cacggcaaac	tctgcctccc	aggttcaagc	2880
tattctcctg	cctcagtcct	ccaagtagct	gggattacag	gcatgcacca	ccacgcccgg	2940
ctaatttttg	tatttttagt	agagacgggg	tttcaccata	ttggccaggc	tgggtctgaaa	3000
ctcctgacct	caggtgatcc	acccacctcg	gcctcccaaa	gtgctgggat	tataggcatg	3060
agccaccatg	cctggccaat	atcacccgcc	tgggcctccc	aaagtgtctg	gattacaggc	3120
atgagccacc	gtgcctgggc	aatatcctcc	tttttatttc	tgtgattctt	tctgtgtgat	3180
tttctcagat	ctaccttcta	gcttactaat	tctctctcca	actgtagcta	aatgtgtttt	3240

atattataat	gactatattt	ttttcactta	tagatgttct	atttaattct	ctttcttttt	3300
gacaaataga	acttattttca	aaacaaacaa	aaggccaggc	atggtgggttc	atgcctgtaa	3360
tcccagtgct	ttgggaggct	gaggcaggag	gattgcttga	gcccaggagt	tcaaggccag	3420
cctgggcaac	atagttagat	cctttctcta	ccaaaaaaat	aaaaaatcag	ctgggtgttg	3480
tgggacactc	ctgtagtccc	agaaactaca	gattcctggg	aggcagaggc	tggaggattg	3540
cttgaggcag	aggctggagg	attgcttgag	cctgggagg	tgaggctgca	gtgaactgtg	3600
atcatgccac	tgcactctag	cctgggtgac	aaagttagat	cctgtctcaa	aaacaaataa	3660
acaaacaagc	aaagaacaaa	aaaaatgctt	acacagggtta	ctactttctt	gctgggatag	3720
ttttaacact	gcgttaagca	taaacacctt	tctttctgaa	atgtatttga	gatgtatatt	3780
gattttttaa	aaaccacac	ctccattaag	gtctggtgat	agcagtagaa	acaatgtaga	3840
gtggctccac	aatcatatag	atgttttttg	tgcgttctga	gatggagtcc	aggaacacca	3900
agtaaagact	gctacctcac	agtttacatc	tgagtctcta	gaagacaaga	ctgaaggaga	3960
acaatttgta	acaagattta	cttgcccgg	gtgtgggtgg	tcacacctgt	aatcccagta	4020
ctttgggagc	tttgggagtc	cgagggtggg	ggatcacctg	aggtcaggag	ttcaagacca	4080
gcctggccaa	catggaataa	cccccatctc	tactaaaaat	acaaaaatta	gccaggcacg	4140
gtggcacacg	cctgtaatcc	cagctactca	ggaggctgag	gcaggagaat	cgcttgaacc	4200
caagtgactg	ggttgcccag	agccgagatc	acgccactgt	actccagcca	ccctgggtga	4260
cagagtgaga	ctctgccaaa	aaaaaaaaaa	aaaaaaaaaa	aatacttact	gttcagaagg	4320
agaagtcata	atgttgcttt	aaagaacagg	tcacaaaaga	aagactctag	aagatcttct	4380
cacttggtgc	atatcaagtg	tctattttgag	accatacac	ttgcttaatc	catgtgttta	4440
aggcaaaagt	gctgctgtcg	agcagtaagg	aataaggtag	ctgctaacct	ttaccaatct	4500
acatttttaa	atccttctta	ctacacatcc	agaatgagtc	agcaattctt	gtgtatttaa	4560
aaacaaaaac	acaaaacaaa	gtagaggggc	aactctctta	aaaatgcagc	tatccgcaaa	4620
cactgtgata	caaaacgaca	gtcaaggaaa	gggcagcaca	aacaagttca	cctggaagga	4680
atctgttcaa	agtctctgga	tttaagaaca	agttccctaa	aagctcttac	ttacagaaga	4740
aatcggataa	taaatgtagc	tggaatgatg	gaattcttta	agttttcatt	ttgttttggg	4800
caactctgtg	gcccaggctg	gagtgcagtg	gcttgatcac	ggctcactgc	agcctcaacc	4860
tcccaggctc	tgggtgatcc	cccacctcag	cctcctgagt	ggctgggact	acaagcatgt	4920
gtgccaccat	gctaggctaa	tttttgtatt	ttatttttag	tttttttttt	tttttttttt	4980
ttttttaga	gacaggtttt	gccatgttgc	caaggctggg	ctcaaattcc	tgggttcaag	5040
tgatectccc	atctcagcct	tccaaagagc	tgggattaca	ggcatgagct	actgcacctg	5100
gcctagaatt	ttttaaaaat	cactatctgg	caactctcag	gataatattc	gattcaggca	5160
aggatcatca	atgaatgcta	aaaccattgg	gtgaaaaatt	gttgcagaat	gggatgctca	5220
catggcttca	aagtattgct	ccacaaatta	cttatcaata	acgtaaaaaa	ccaaacttta	5280
ctagccatgg	agaaatctgg	ttgttatcac	tttaatggag	tgatcaaact	taacatcact	5340
aaatagagtg	caacctccag	ctaggatata	gtaagaaggg	ccagatatca	cctagtattt	5400
ttgccaaaaa	tgtttaacct	taatctaata	atgagaaagt	aatcactcaa	atccagaatg	5460
tgggacattt	tacaagatgt	cctccttgca	ctcttccaaa	aaaaaatcaa	tgtcatgaaa	5520
acaaacaaat	ggtgggggtg	gggagaacgg	ttctaaattt	aaaaactaaa	gtgggataac	5580
aaccagatga	gatgtgttag	agcttgaatt	tacagagaga	gaaaaacaac	tatgaaagca	5640
ttttggggaa	aatctgaata	tgtaggatat	gttagatgat	attaagggaat	tgtgttaatt	5700
ttcaaaggta	tgataatgtt	tttttctttt	gtaaaagagt	ccttattttt	cacaatgtat	5760
gttgaagtat	tcagagtga	gtgtcatgtt	ggctataatt	atttcaaattg	gttccacaca	5820
caaagcacat	accacatata	catatacata	tacctccaac	caactcaaaa	catgttcaac	5880
actgaaacta	taagatgcca	ccaaacaggg	aagcatgagt	gtgtgttgca	tctacccatt	5940
gtatcaatcc	aggttcagtc	agaaaaacaa	aagccattcc	acgtatttca	agcatgaaag	6000
gctttaaaaa	aaaaaattaa	aggtttatcc	aactcttgga	agggtctggag	gagtgaccac	6060
cttggtttgc	agttcagaag	gagtgactct	caaacgctca	ttagtaagtg	gctacaaatg	6120
ggaagctcgc	cttattatgc	ctgcaatatc	aatgcatctg	attcctggga	aggtcaccca	6180
gaagctgctt	taaactccaa	gcctgtccat	gctctgtctt	gcaaccggca	tgagaacata	6240
atggcctctc	ctcttccgtc	tcacgctggc	tgactctaac	ctaggctcat	atagagaagg	6300
gattctagaa	aatgtattaa	tagttccaag	tgtccctctt	gcatctcata	aaagacctta	6360
gaaagggcac	tgataatgct	atttgcaaaa	agacaatcca	gcgcagttgt	attttacagc	6420
acaggctctt	taagtttggg	ttatcagcaa	aaaaccatta	gagtatgaga	aattcctttt	6480
taaattgtgg	caaaatatac	ataacataaa	aattaccatt	gtagctattg	tacattgtag	6540
ctaagtatat	agcccagtag	cactaaatac	atttacactg	ttgtgcacca	ctatctagct	6600
ccagaaactt	ttaatcttcc	caaacagaaa	cttgtacctt	ttaaccaata	ccttctcctt	6660
cctcacttct	cctagaaacc	agaattatac	tttctgtctc	tacaaatctg	actattctg	6720

atacctcaga	atcacagtat	gtgtcgttct	acgactggct	tgtttcactt	agcatcatgt	6780
cttcaagggt	catccacggt	atagcatgtg	tcagatttcc	ttttcttttc	ttttcttttc	6840
tttttttttt	gagacacagt	ctcgctctgt	caccaggt	ggagggcagt	agcacaatct	6900
cagttcactg	cagcctctgc	cttccagggt	caagcaattc	tcgtgcctca	gcctcccaag	6960
tagctggaat	gacaggcatg	caccaccaca	cctggctaata	ttttgtattt	ttagtagaga	7020
cgggggttta	ccatattggc	caggctgggt	ttgcacttcc	ggcctcaagt	gatctgccc	7080
tctcggcctc	ccaaagtgt	gggattacag	gcgtgagcca	ctatgcctgg	ccccgattg	7140
tcattattta	aggctaagt	atattttgtt	gtctgtatat	accacaattt	gtttattcat	7200
tcactctgtc	atggacattt	gggtgttttc	cacccctgg	ttattgtgga	taatactact	7260
aggaacacga	gcatacaaat	atctgtctca	gtccctgctt	ttatcttttg	gatatatgcc	7320
cagaggtgga	attgctgggt	cataaggtaa	ttctagatta	aattttttga	gggactgcc	7380
tattgttctc	caccatagct	gcaccatttt	acctttccag	cagcagcgta	caagcgggtc	7440
agcttctcca	catcttcacc	cacacttgct	atttttggct	tttattttat	tttttaaaat	7500
aacattctaa	tgggtgttaa	gtggtcagaa	atgggtcttt	taggagtaga	gatagaggcc	7560
agggggatgg	ctcacacctg	taatcccagc	actttgggag	gcctagggtg	gcggatcact	7620
tggggtcagg	agtttgagat	cagcctggcc	aacatgggtg	aactccatct	ctattaaaaa	7680
tacaaaaatt	cgctgggtgt	ggtgggtgtg	actcccagct	acttgggagg	ctgagggaag	7740
agaatcgctt	gaacccggga	ggcggtagtt	gcagtgaagc	gagatcacac	cactgtatgg	7800
cctgggtgaca	gagcaaggct	ctgtctcaaa	aaaaaaaaaa	aaaaaaaaag	agtagagata	7860
gaaaagcatt	gaaaacacag	cctcagctca	gctcagctcg	ccatgggtgg	aagccattaa	7920
ttcttcactc	ttgaaacctt	ttcgtccttg	gtgtggcaga	ggctgcaagt	ctcctctgca	7980
actttattct	tcccttcttt	ctcagttata	aaatccctga	ttttagaaat	atctttattg	8040
agatataatt	cacataccat	aacattcact	acaattgaat	ggtttttagt	atattcacag	8100
atttgtacaa	ctatcaccac	aaactaagtt	tagaactttt	ttcatcatcc	cacaaagaaa	8160
ccccacaccc	attagcagtt	attcactatt	tctccccaat	caacctcccc	tcccctcaat	8220
agccctaggg	agccaccagt	ctactttctg	tctctaccta	tttgtctttt	ctggacattt	8280
tatacaaatg	agattttaca	acatgtagtc	ttttgtgact	ggcttttttc	ccctagcata	8340
atgtttttcca	ggttcatctg	tgggtgtagc	ggtatcagta	cttcaacctt	ttttattgcc	8400
aaataaatatt	ccactatatg	gataggtaac	attttgttta	tccattcatc	aattgatgga	8460
caattggggt	gtttccattt	tcttgactgt	tatgaataat	gttgccatga	acattaatgc	8520
acaagttttt	gtgagatgt	gtattttcat	gtgtcttggt	tttataccta	ggaatagaat	8580
tgctgagtc	taggagaact	cctccatggt	taaccattaa	tgaactgccg	aactgttttc	8640
caaagaaatt	gcaccattgt	acaatcccac	cagcaatgta	tgagggtaga	atccctgatt	8700
tttaactgat	cattgaactc	aggcccatc	aaaacaaaga	tgacatttcc	taaccttct	8760
tacaagtagt	tctgaccagt	gagatgggag	aagaagttag	gttttgtcct	taaaagaaag	8820
gagagtggct	gggtgcagtg	gctcacgcct	gtaatcccag	cactttggga	ggccgagggt	8880
ggcggatcac	ctgaggccgg	gagttcaaga	ctagcctgac	caacatggag	aaacctcgtc	8940
tctactaaaa	atacaaaatt	agctgggcgt	cgtggcgcgt	gcctgtaatc	ccagctactc	9000
aggaggtcga	ggcaggagaa	tcgcttgaac	ctgggagggt	gaggttgtga	tgagccgaga	9060
ttgtgccatc	gcactctagc	ctggggcaaga	agagcgaaac	tccatctcaa	aaaaaaaaag	9120
aaagaaagga	gagtacattc	tacactctcc	tctcctccac	cctgccccct	ttccagtggc	9180
tggatgtgga	catggtggta	agctatctta	gatcatgtgg	acaagggaaa	cacataggga	9240
tattagaacc	tccagacaga	aggaacttag	gacctgggac	agctttgtgg	agcagtgtct	9300
ccataccagc	gtgaagtttt	gtatgggaga	aaacatacat	ttccagcttt	tgtgaagccac	9360
tgttattttg	ggtctctctc	agagcagcca	aatatataat	ttaaactaata	tattttcttt	9420
ctgtgattct	tctttatttt	gattataact	ctacttctct	gccccctctt	taggtgggag	9480
gtgctgtctc	aagcactaac	tcagaatata	gacctctctc	ctcttgtaat	agtgccagct	9540
tggagttctt	tgtctccact	gtaggggaa	gaaggaaaaa	atatggagaa	ctcacatcca	9600
ctcttcattg	tctcacaaca	gaagtaaccc	attttgttct	gctcacagcc	cattggccag	9660
aactaactgt	atggccccaa	tctaattgca	aaggagtctg	ggaagtacag	cacagcacat	9720
ggatcttttg	aaagcggtta	ttttctctgc	caaaggcttc	ttttgttggt	gttggtgttt	9780
gaaatggagt	cccgtccgt	caccggggct	ggagtgcagt	ggccttatct	cagctcactg	9840
caacctccac	ctcccagggt	caagcactcc	tccagccttg	gcctcccaag	tagctaggat	9900
tacaggcggt	tgccatcata	cctggctatt	ttttttgtat	tttttagtaga	gacagggttt	9960
taccgtgttg	gccaggctgg	tctcaaaact	ttggcttcaa	gtgatccgcc	tgttccggtc	10020
tcccaaagtg	ttgggattac	aggcgtgagc	cactgtacc	ggccaatact	ggtgttttct	10080
gacctcagcg	ttttcttttt	ctcctgccat	gtactctccc	tagagatttc	atctactccc	10140
aagtcttcca	ctgctcctat	ctgctgatga	ctcccaaaac	tcagtctcca	gccgagactt	10200

ctctcctggg	cttgagacat	atgtatccaa	ctgccagaac	atctccagtg	gacagccttt	10260
gggcacaaagg	ccacactagc	ttgtgggtac	aagtaatcac	ccaaagtcaa	tttcagtggc	10320
tctccactcc	cacatTTTTT	caacccctgg	aaatgttccc	ttcccaaata	ctctgagtct	10380
ctcttctctt	ttgatgactg	tggTTTTtGtG	actggatggT	agctcctgtt	gctTTTTttc	10440
ctttcaaatg	aatTTTctct	taggaggctt	cttagccatt	aagcaaatag	acctcaactg	10500
ggcttgccct	atgcctatct	gaaacccagc	ttaggttcga	gttaggactc	ctgttaatct	10560
gagctctcac	ttcctgtccc	aacctgctta	TTTTTTTTtg	tgaagaaaa	tatcatcccc	10620
ctagttgtctc	agaaacctgg	gaatcattgc	gattTTTTcc	tctccttcac	cttcctcatc	10680
caatcagtc	ccaagtgtc	tcaactctgc	tgccttagta	gccttcaata	tatactacc	10740
tatcaaccat	cactgtcatg	ccatacttca	ggccttcatt	tctcatttgg	attattaaaa	10800
tatccctaaa	tagttcctct	gccttctctc	tggccaccct	cctgagtgat	ctctccatca	10860
tgtacctttc	agtgactgct	tgcacaagcc	cctttgtgac	ttggtcatag	tctgctctct	10920
tgaaccacca	gagccaagca	cctgggttct	gattctgggt	gcaactctta	ctgcgtgatg	10980
atggacaggc	cacttgatct	cctcaaacct	cagttcctaa	atcaaataga	tgattgaatt	11040
cagtcactta	actttgtatg	tagtaggtag	gcactgtgca	aaacatacta	gtggatatag	11100
agatgaataa	gaaaaagccc	ctgcactcaa	agagctctcg	gattcatcaa	caaattattg	11160
tgcagttaga	tagtaagtgc	tataatccag	gaatatacac	tgttgtgtga	ataatgtgga	11220
atcagtttat	ctccagagca	gaaaaaggtg	aaggccgaag	aggcattcca	gagtatact	11280
ggagctgtgt	agcaggggct	actactgttc	cctcaaatac	ttcttctctc	tctcctgag	11340
taatagagtc	ctttttcagc	taggcataca	gccatccaaa	ataaaaaacta	tatttcccag	11400
cctccttttc	agctaagtgt	agccatgtga	ctaagttgtg	gccaatggga	tgtcagtaca	11460
agtggtaatg	gcaatatctg	ggatgtgtct	ttaaaggaa	ggaacatgtc	cttctccttt	11520
tcctccttcc	tgttcctctg	gaggtgaact	tggtagctgg	aggtgaagca	gctggaactt	11580
ggatatgagc	gtcttggtga	tgataatagt	gcaacaagat	aaaagcagcc	cgagctggcc	11640
tacatttaca	tgagaaggaa	ataagactcc	atTTTgttta	agctattctc	ttgcataatat	11700
atatacacat	atatatcagc	taagtgtagc	catgtgacta	acttgtggcc	aatgggatgt	11760
cagtatgagt	ggtaagagca	gtatcttgta	tatatatatg	tgtatatata	cacacacaca	11820
tatatataca	tatatgtatg	caagaatata	aaataatacat	gtgtgtgtgt	atatatatac	11880
acacatatat	atgtcccttg	cagccaagtc	taattctaac	taatacaaac	taactctaaa	11940
aatgaatat	atattcacca	ggggataggc	tatttcaagc	agaggggaagc	ctgtataaag	12000
gctcagggaa	tgtgtgtggt	ttatgtggca	gcagatgaga	ctggaaatga	gtcaggatga	12060
gccacagtgg	aggatgaatt	aaatgggcag	gagtgtggta	gaaagacctg	ttggaggcta	12120
tgaatgcaat	caaggtgaca	gacaactggT	gcaatgatgg	tagtggaat	ggaggagagg	12180
ggattgattc	aagatgcatt	taggaccaag	aatcggggagc	ttgtgaacgt	gtgtatgagt	12240
actgtagacg	gagtgggtgt	gtcatcagag	aagatctgag	catttgggct	tgtctctctc	12300
agaggccctg	cgagtggagt	tcagcttttc	ctcatggggc	aaatctyact	tctcctccag	12360
ttcctggggc	tcagagtccc	tggccagat	gcctcttgcc	atctcatctt	cacctgcct	12420
ggcttccctt	cttgtttcca	ggattgtttc	ataagagggt	atgtggttgg	tctttaacct	12480
tatgaatgct	ggctgaggat	gcctgcggaa	cctgtagtga	agctttcagg	ggctgctcgg	12540
gttctggctg	gtaggtgaac	actgtccatc	ttgccggctg	ggacacagtg	actctgggta	12600
gttgtgtaag	agaggggccc	ttggcagaca	aacaggttct	tctctgttgg	tgggccagcc	12660
agcaggtcag	tgggaagggt	aaaggtcatg	gggtttggga	gaaactgggt	gaggagtcca	12720
gccccatccc	ccgtaaagct	cctgggaagc	acttctctac	tggggcagcc	cctgatacca	12780
gggcactcat	taacctcttg	ggtgccaggg	aaagggcagg	aggtgagtgc	tgggaggcag	12840
ctgaggtcaa	cttcttttga	acttccacgt	ggtatttact	cagagcaatt	ggtgccagag	12900
gctcagggcc	ctggagtata	aagcagaatg	tctgtctctc	gtgccagac	gtgagcaggt	12960
gagcagctgg	ggcagaggtga	tgggggtcac	agtcctaagg	gagggcattg	caggtggcct	13020
caggggagag	cctgggggtg	ccctaagac	gtcctcttgg	aacatttttg	cagagttgcc	13080
tcttcgccct	cattatggct	cagtttttcc	accatgaaat	gggagggagg	gagacaggtg	13140
ggcagggggag	aggtggtaga	agtggcctag	agaactgttc	ctggggctctg	ggacctttgc	13200
gaaggggtta	gagcaccacg	ctccctgcta	tgtgactgag	gtagcaagag	cacgccctct	13260
tcccatgttt	gaggaagaca	ccctagcctc	cttgactcac	ctaggtcagt	cctcttgagc	13320
cccaacagct	ctgtgctccc	cagcccaagg	aaggggtaac	aggatttcgg	gcagttgccc	13380
ctgcagaggc	cccctgggca	agtcccctgc	gccatgtccc	ttcgtctcct	tcttccccta	13440
accaggcctc	cctccacctg	tcttctcaga	gcaggtaatg	gcaagcatgg	ctgccgtgct	13500
cacctgggct	ctggctcttc	tttcagtggt	gtctccgacc	ctgactcaa	cgtgggggtg	13560
tgggtggagg	ctggccagag	ggccctgtcc	accctggggg	aggagagccc	aggccctgat	136

cttcagccag	accagcgggg	acaaaggcag	ggtggagcag	atccatcagc	agaagatggc	13740
tcgcgagccc	gcgtgagtc	ccaggggaag	gggtgtaggc	gaagggagga	gacagctggg	13800
ccatgccatg	atgacctgcc	tctgctgcct	caacctctgt	ggccgctgct	gggacagagg	13860
aaaggagcgg	tgctagctct	gtctgcagat	ccgggccatc	ctgggctctt	tagcgccctc	13920
tgccctgcagc	ccccgccttg	acaactccgt	agctgttgcc	cccttgctca	ctgagggcgc	13980
ggacctggga	tcaatcgga	ggacgcccgc	tgcagtcccc	agaatcaaag	gatgatgtgg	14040
cgcactctatg	tttctttgga	gagtgttgta	ggtctggatt	tgtatgggca	atgtgtttgt	14100
gcttcgtgcg	tgagttgtta	ctggccaggg	ctaggacaag	agccctcgac	cctggggcca	14160
agccctgcg	tccttggttc	ccccagagga	tcagtgcgcg	atgacttggg	gacaaaaggag	14220
atgatggggg	ctagcagctc	gacggcctgg	atatctgtcc	ccttctccag	gacctgaaa	14280
gacagccttg	agcaagacct	caacaatatg	aacaagttcc	tggaaaagct	gaggcctctg	14340
agtgggagcg	aggctcctcg	gctcccacag	gacccggtgg	gcatgcggcg	gcagctgcag	14400
gaggagttag	aggaggtgaa	ggctcgcctc	cagccctaca	tggcagaggc	gcacgagctg	14460
gtgggctgga	atttgagggg	cttgccggcag	caactgaagc	cctacacgat	ggatctgatg	14520
gagcaggtgg	ccctgcgcgt	gcaggagctg	caggagcagt	tgccgctggg	gggggaagac	14580
accaaggccc	agttgctggg	gggctgggac	gaggcttggg	ctttgctgca	gggactgcag	14640
agccgcgtgg	tgaccacac	cggccgcttc	aaagagctct	tccaccata	cgccgagagc	14700
ctggtgagcg	gcateggggc	ccacgtgcag	gagctgcacc	gcagtgtggc	tcgcacgccc	14760
cccgccagcc	cgcgcgcct	cagtcgctgc	gtgcaggtgc	tctccggaa	gctcacgctc	14820
aaggccaagg	ccctgcacgc	acgcattccag	cagaacctgg	accagctgcg	cgaagagctc	14880
agcagagcct	ttgcaggcac	tgggactgag	gaagggggccg	gcccggaccc	ccagatgctc	14940
tccgaggagg	tgccgccagcg	acttcaggct	ttccgccagg	acacctacct	gcagatagct	15000
gccttcactc	gcccacatcg	ccaggagact	gaggaggtcc	agcagcagct	ggcgccacct	15060
ccaccaggcc	acagtgcctt	cgccccagag	tttcaacaaa	cagacagtgg	caaggttctg	15120
agcaagctgc	aggcccgtct	ggatgacctg	tgggaagaca	tcactcacag	ccttcatgac	15180
cagggccaca	gccatctggg	ggacccctga	ggatctacct	gcccaggccc	attcccagct	15240
ycttgtctgg	ggagccttgg	ctctgagcct	ctagcatggt	tcagctcttg	aaagtggcct	15300
gttgggtgga	gggtggaagg	tccgtgtcag	gacagggagg	ccaccaaaag	ggctgctgtc	15360
tccctgcatat	ccagcctcct	gcgactcccc	aatctggatg	cattacattc	accaggcttt	15420
gcaaaccacag	cctcccagtg	ctcatttggg	aatgctcatg	agttactcca	ttcaagggtg	15480
agggagtagg	gagggagagg	caccatgcat	gtgggtgatt	atctgcaagc	ctgtttgccg	15540
tgatgctgga	agcctgtgcc	actacatcct	ggagtttggc	tctagtcact	tctggctgcc	15600
tggtggccac	tgctacagct	ggtccacaga	gaggagcact	tgtctcccca	gggctgccat	15660
ggcagctatc	aggggaatag	aaggggagaaa	gagaatatca	tggggagaa	atgtgatagg	15720
gtgtgaatat	ccctgctggc	tctgatgctg	gtgggtacga	aagggtgtggg	ctgtgatagg	15780
agagggcaga	gccccatgtt	cctgacatag	ctctacacct	aaataaggga	ctgaaccctc	15840
ccaactgtgg	gagctcctta	aacctcttgg	ggagcatact	gtgtgctctc	ccactctcca	15900
gccccctcct	ctgggttccc	aagttgaagc	ctagacttct	ggctcaaatg	aaatagatgt	15960
ttatgataga	agtttgctcg	gcgtgactct	cattttggacc	atgtctgaaa	gcagtggcct	16020
caccactatc	cccaaagcac	acctatcacc	cactccattc	ccttgctgct	ctttctcatc	16080
caccactcc	cagtcaggt	ctgtcaaagg	gggtctggct	gggctctgct	tcagggatcc	16140
tggctagaca	acggctgtct	gtcacacctg	gcaggagggc	ctgggttacg	ggcccttct	16200
ctgcacctgc	actgttcact	agcctgtctc	cccacaggac	actgtgcatg	gaatgcaggc	16260
tgtgtctgga	agagctgtgg	ccctggtgga	cctaagattc	ctgaggtggg	ctgcctcctt	16320
tgttctctgt	gttctagagt	ttgaatggcc	tctttttatg	ccggactctc	ttctggggac	16380
tccctcact	caggggcacc	aatgtcctct	atagatcccc	tgggaactga	aactgggggtg	16440
tggtggagga	cgtggaagg	gtaaacacag	ctccttgtct	ttgactctcc	ctgtccggcc	16500
cccttctctc	ccagctcagc	ctactgtccc	cgggttctca	gcacctgctc	gctccccaac	16560
cccatagcac	agacccca	catatgtagg	ctcatcatgc	ctgcaggctg	gtcttccctg	16620
acaccgtgga	ttttgacaat	gttggaaca	gaactgggtt	gtggaccacg	cacctggaga	16680
gaggaagtgc	tagaaaggta	gaaataataa	aagggtgttt	tgttgttgtt	aggaaactgg	16740
aaaagcatag	gtcaagggct	atgatgggga	tgaggaggta	ggagtgaana	tgagggctgt	16800
gtacttgagg	ctgggattgg	ggaaggtagt	gatgaggaca	gaataggggag	tgggaagaac	16860
agaaagggac	agagggatcc	agggattgtg	agagagggga	agaggctgag	ccacccggag	16920
gggcaccta	gcacgcaagc	agtatgtggc	ccaacctggg	aaccaagcag	cccggtccg	16980
ggcgacctt	ctcagggatt	cctcagggac	aagtcacgac	ccttgtctc	aaggctcttg	17040
tagaccgacg	tagggacca	tagaag				

gctggcgatg	taaggttcga	gccatataaa	cccgggaacc	gggagccctt	gacgacattg	17220
ttccccgagt	gcccggagtc	tgcggctttt	tttgggggtg	tggcagctgg	cggaaagtgc	17280
gggagagggg	tggggccgcg	agagcggcgg	aagttaggaag	ccgaggtctg	aattgcgcgt	17340
ggtggccatg	gcggccagcg	gggctgtgga	accaggggcc	ccgggggctg	ccgtcgcccc	17400
gtcgcccgcc	ccggccccgc	cgcttgcccc	tgatcacctg	ttccggccca	tcagcgccga	17460
ggacgaggag	cagcagccca	ccgagatcga	gtcgctatgc	atgaactgtt	actgcaatgt	17520
gagggcgggg	cgcgcccgcg	agcggcgggt	gggtagggtt	tgtgccggga	cgagccgggg	17580
gtcagaccca	gccaggtggg	cccggccggg	gaccccgagg	agcgcccgga	gatagtaggg	17640
cggggaaagg	gagtttcatt	gatttttttc	cttagctact	ttctacttca	ccagggcatg	17700
acgcgcctcc	tgtccacca	gattcccttc	ttcagagaaa	taatagttag	ctccttttcc	17760
tgcgagcact	gtggctggaa	caacacggag	atccagtcgg	caggcaggat	ccaggaccag	17820
ggagtgcgct	acactttgtc	tgtcagggtt	ctggaggtga	gaggacctca	gagcaggtat	17880
ctcagtatcc	tagagagaga	ttcggtagct	gggtcagagc	tctgggtccag	gcggtcggat	17940
cttaataaaa	ttcccctatg	tctcctagcc	ttagtttctt	ttgtaaaatg	gtactgggtg	18000
tgtcatcagc	tcaagtgaga	taagatttgt	gaaaatgctt	tgtaaagtgt	gtctgagggt	18060
atgaaatgag	cagtagttgt	tatgaatagt	attctcacca	tttggacagc	ctggctcaca	18120
ccacctgtac	tattcgaaa	gagcagtcgt	gaccctgtgg	agtggcgaga	gggagagaca	18180
gctgggctgc	gggtctgatg	aaggggacgg	tctggttatt	acttgaggag	aagctgttct	18240
gcagtctctt	tgtactgaac	gtattctttt	cttcccagga	catgaacaga	gaagtgggtg	18300
agactgactc	tgtgcccaca	aggattcctg	agctagattt	tgaaattcct	gccttttagcc	18360
agaaaggagg	taagtttaag	atcagagtat	ttgggctgtt	cgcatgtagc	tagaattcta	18420
ccctctttct	tgcaaaaccc	cctgttgcca	ggcttagtgg	tttgtgtatg	ggttctacca	18480
tgtaatcatt	gtaatcttca	ttagttaatc	atgagtggaa	agcttaggta	aaacagctcg	18540
agatggtaga	aagtaatggg	aataccatag	tgtgtttatt	gtagaatttt	agcatcacta	18600
ttatcagaca	tgaatggaac	cttgcacctg	gccttctcat	tttacagatg	aggaaattaa	18660
gaccagagag	gttcaagtga	attgcccagg	gtcatacagg	gacttgatag	cagagctgag	18720
gctaagtcac	acttgtcttt	tgttcttggt	cacaagctct	gaccactggt	gaaggattga	18780
tcacccgtgc	tatctctggc	ctggagcagg	accagcctgc	acgaagggtg	agctgggggt	18840
ttctgattgt	agcagctcaa	ggaataattg	cttatataga	gtgtcccatg	tgtctgaaga	18900
gtctctgact	aagtgttggg	aacttgctgg	gtaagcatat	gggtgtgctg	gagctgctag	18960
aatgtttcat	atgtttataat	tattgtcttt	tccacttccc	tccctcagta	tatatctcagg	19020
cctcatcaga	caatataaca	ttacctctga	agagcctttc	ctaataccct	tgggttatct	19080
gtgtttcctg	agtattccac	tgcattctat	atttattatg	acagaagtaa	tatattatag	19140
ctgcatcttt	agttatttgt	ctccttaatt	gggtggggag	tcccatgaga	ggactgatat	19200
atatactatt	atatctctaa	cgtggcatga	gtgcctgggc	taaattggtg	aatgagttag	19260
aaaaatgagg	ctcacctgtc	accacccgtc	aacttcaggc	ttgtttgcta	catctcattg	19320
tgaagcctga	gtcactctgt	ttccactcac	actgagatag	gtggtgactt	cctaattggaa	19380
gtaacatggg	catgacaagg	ggcagggcac	aaggtacacc	accagggtcg	atgctttact	19440
ctctgtttcat	ggcaggcaaa	caaagatgct	acagctgaaa	gaattgatga	gttcattgtc	19500
aaactgaagg	agctaaagca	agtagcctcc	cctttcactc	tgggtgagtat	tgagaggctg	19560
gagttgccct	tgattagggg	aggagggacc	attaagactg	ctgggatttt	ccactgtgat	19620
gcctgcgtgg	tctgatagta	gggtgatgtg	gattgtttat	gattttcttt	tgcagtgact	19680
ctctcttctc	ccatttgtta	gatcattgat	gatccctcag	ggaacagttt	tgtggaaaac	19740
ccacatgctc	ctcagaaa	tgatgccctg	gtgatcacac	actacaaccg	gacccgacag	19800
caggaagaga	tgtctggggc	tcaagtaagt	ggactgaagg	atccagaaga	atgctctgga	19860
attatcgcg	actctggatt	gcttgaggtc	agtggaaact	atthttgctg	tgctgctctg	19920
tgtgccctat	ctcagcttgt	ttgtgcttct	catcttgctt	atgtccagga	cttgggtaaa	19980
cttcacagaa	aggatggcag	tggctgtgat	cctatcttaa	gtcctgttct	tcctttgggt	20040
ggggctttac	tttgtgtttt	ctctaactga	tgaggtggca	cctgacataa	ctgtaggggt	20100
ggcacctgag	cattttctccc	actccagggc	aggggtgttg	ggacactgag	gtatacctgc	20160
caacttgcca	cctgcatctt	tgtctatttt	ggaagaagca	ccagcagaga	agccagaaga	20220
ggaagatctc	agaaatgaag	tgagtcacat	tggctactgg	tgaggaagga	gcagagtgtg	20280
gggctgagac	tgatgctgtt	cagcatctgt	cttccttgct	accaacatag	atgaccacta	20340
gcataccaac	tgagtgtctt	tagcctgaac	atcccatctg	ggagggtcca	ccctttgtcc	20400
tcatgtttgt	ttccagggtg	tccagttcag	cacaaactgc	ccagaatgca	atgccccgcg	20460
tcagaccaac	atgaagctag	tacgtatctt	ttgccaagca	gttgggttgc	tcttcatctg	20520
actcaggcat	gaagattata	atcaggctgg	gagcatccct	ttcaaggaaa	acacatgctt	20580
tatacccagt	gataaggaag	atattatctt	tgattagact	gtgtaccttg	ggttttgtgt	20640

tcaaagagaa	aattaggcca	tggctactag	gctgtgtgtg	tgtgacctga	gccatgcctt	20700
caaagtgtg	aacagggatt	gccatggggt	gggaacttgc	cctcttctgg	aggactctgt	20760
gggctgcctc	ttgtgaatat	ttcctgcagt	tctgggacca	gcataatgtt	gtgtgggggt	20820
tggctttgtt	tttccccaga	tgggtggtct	gttcgcctgg	aagtagattt	ccttaactcc	20880
gttttccaga	aatccctcac	tttaaggagg	ttatcatcat	ggctaccaac	tgcgagaact	20940
gtgggcatcg	gaccaatgag	gtgggtgggc	gccattat	gggaagaaga	ctagcttaag	21000
ggtaaccccc	ttttaactat	cattcttctc	aagtacttca	gtactcgggg	gcaggggggt	21060
tagagtagct	tgggtctttt	tcttaggtct	agtgcagggt	gatgagccct	tgaaggaaat	21120
ggaattagcc	tagagaagaa	aagttagaga	ttctataact	tgtttaagac	atattaaagg	21180
ttgatgat	ggaagagaga	agtcttttga	cccactcctc	agaggtgtgg	aagtccagg	21240
aggcagactt	tgacttcaca	atgaagaact	caatagagct	gtctgaaaat	agaatgagct	21300
gccttagaga	attataaatt	cccttcccc	gagtgtatct	gagtataagc	taattaaatt	21360
ccttaaccag	aatattataa	aggagaccca	cacattggat	gcagtggatg	aaaggactgc	21420
aataaatgct	taaaagtctc	tttcaacccc	aaaagtcttt	tttttttttt	ttttttttta	21480
gggaaattca	gagtttattg	gcaatttggg	ataagttttg	gcacgttacc	aggggtgggc	21540
actgttctctg	gccagctctt	ggtgtttttg	gtttgggcga	ctgctgttta	gaaggctctt	21600
tctttggttag	ctattaatga	ccctaactga	ttggatgtcc	aagcctacac	tccaggtctc	21660
ctgggtacca	agtgaggctc	aggtcttctc	tctgttgctc	ctgactgtta	togatgcagg	21720
tgaaatctgg	aggagcagta	gaacccttgg	gcaccaggat	cacctccac	atcacagatg	21780
cctcagatat	gaccagagac	ctcctcaagg	taacagtctg	cttgggaaag	tactgttgt	21840
cctcataagt	tagataaact	gtctctatct	aggggaagtt	gtcttttaga	aataatgttc	21900
agggacatga	ggtatctcct	acttgactgg	acttgaggac	ccctgagcag	agggagttaa	21960
tctaagattg	gaattgcagg	tttagaagg	gacctgttta	gctcttctctg	atgacctggt	22020
agcttttttg	cctccagtgt	ctatctgggt	cctcttctct	gtctgtcccc	tagtgacagg	22080
atacctgaca	gctcgaagct	atgactgagt	ttccctttat	taagttggat	ctattcccgt	22140
ggttcagatg	gacaggagtg	agtctcaagc	tttaacaagg	gagtcagaga	aaactgagac	22200
agctgccctt	gtccgcagtc	tatcactgct	ggtattaatt	gggcaggagg	cctctggttg	22260
gctttctttg	cttctgactt	aaagcttaaa	ctgacctctc	atctcacagt	ctgagacttg	22320
cagtgtggaa	atcccagagc	tagaatttga	actgggaatg	gcagtcctcg	ggggcaagtt	22380
caccacactg	gaagggctgc	tgaaagacat	ccgggaactg	gtgagtcact	tgagtgtgt	22440
gtaaaccacc	tttgagcaat	ttggctgtgt	gaagagggac	tggaagactt	cagacatcct	22500
aattttcggt	gctggtaact	gtgggtttct	ttgccttaaa	gctgggttaa	gagacttaaa	22560
tattactttg	gatggtgaag	acaagtttat	gggaaatgtt	gaatggaaat	tccaggccta	22620
actttgggac	tttatagtta	ttttgtggtc	ttggacaagt	catttatatt	actgtaaaagt	22680
taggggatga	gggtccttct	agcacctaaa	acttcccaac	ataaaaaaca	tacatgtatg	22740
ggttgactta	gcccataat	ttatctcctt	gatgaattat	ttcacttgat	tctctgttgg	22800
gcattttgta	tttgtaaatt	gtactttttc	tttgcatctc	ttctccaaat	tagtatcaga	22860
gatcatattc	taagaacatg	tttcgatttt	gttttacatt	gccagttttg	ttatcttggc	22920
acattatccc	atagactcct	aggagtgc	gccttggcca	gaaaggtggt	gtgggctaaa	22980
tggaaccaca	gtttccctga	cagggcaccc	actgtcaccc	cctgcctagt	ttatggtcag	23040
gcctaacaaa	tataaagcca	gtattcacat	agtttggatt	atcatttatt	gcagggtgacc	23100
aaaaatcctt	tcacactggg	cgacagttcc	aatcctggac	agacggagag	actacaggag	23160
tttagccaga	agatggacca	ggtaagaggt	cactggccag	tcagtactta	gaatcctggg	23220
gctccagtga	acaggaggct	gcatgctcat	gtcttgccac	tttttgaaca	tctaaccatc	23280
atggttggga	ttcttcttct	ggttttcttt	tctttttttt	tttttgggag	acagagtctc	23340
gttctgttgc	ccaggetgga	gtgcagtggc	gtgatctcgg	ctcactgcaa	cctctgcctc	23400
ccgggttcat	gcgattctgc	tgccctcagcc	tcccagtag	ctgggattac	aggcgcacac	23460
caccacgcct	ggctaatttt	ttgtattttt	agtagagaca	gggtttcact	atggttgcca	23520
gactggctctc	gaactcctga	cctcgtgcat	tgccctgcctg	ggcctcccaa	agtgtctggga	23580
ttacaggcgt	gagccaccgc	acctggccct	cttctggttt	tctatatcc	atgtcttctt	23640
tcttggtttt	ctcccttatt	ttgttagagc	atcttctcca	gtagcttctc	gggaaaaagt	23700
gcatgggaaa	taaaatttct	gggaccttcc	acatctgaac	atgtctttat	tctgttatca	23760
cactagagtg	attattggct	gggaatacga	ttctaggata	gaaataattt	tttatcagaa	23820
tttcgaagac	tgactatagg	tcttccagtt	tggtaaagac	attgtactat	agtcttccac	23880
tttggtatt	gagaagtctg	aagccatttg	attcctggtc	ttttatatgt	gacctagtct	23940
tgtgatctct	tcgtttcctt	tgatgtgaaa	tttcagggtg	tgccctgggtg	tgggtcagtt	24000
ttcatccact	gggctaagca	cttggttagat	gtattttttc	agtctggaaa	actcatgtgg	24060
ttcagttcta	ggaagctttc	atgaattatt	ctattgaaga	ttatcttttt	tctgattttt	24120

tttttctgtt	ctttctgaaa	actcctgggt	tttagatatt	agacttactt	gtctgggtctt	24180
ctataattta	ctcttttttt	ggtcctattt	ttgggtttctt	ggtttttttg	ttcttctttg	24240
ggagattccc	tcaactttat	tttccaaccc	ttcaattgag	gttttcattt	ccactaaaac	24300
ttttattttc	caaggagctt	tttaaaaaat	agcatcctgt	cttaaggatg	tagtattttt	24360
tcttcttgag	gattattatt	ttttaaatth	tttcagcatg	cagttttatat	agcacttatt	24420
gatactgatg	ttggatcttt	tttgacatth	tattctcctt	gcatectttt	tttccccatt	24480
tgattttcca	tctttcagtg	ttaagggtct	tgctcagatg	tctgataatc	attgattgtc	24540
ttcttacaag	tagcgggcta	aagacctgag	taggggggtga	gccttgttga	catggggctt	24600
attacagggg	aattttaactt	agctgttttg	ctgaggtggc	ctccaatgcc	agaattgtta	24660
ggtctttcct	cttgggctag	tcagacaaag	cggctatgcc	tgccagacaa	gaaccaaccc	24720
aatttatatt	acagaaatct	ccaaagttht	aagaattggt	gaaattaggt	agctctgaaa	24780
gtagagggga	aaggatctaa	aataaggact	gttagaaaaag	ccaacatcag	caagctgtgg	24840
accagggggg	gctggcccag	ttgaaggtag	agggaaagga	ctcaagaaca	aggaggttaa	24900
atgactgtgg	ctgctccatt	tcttggcctg	agggtaaaga	cttggctggc	agtgttctga	24960
gagctgtggg	aagggggctg	gggtgtgtat	gtattctgtt	tcccataagc	ttacattcat	25020
ttaacctact	tgttcttgat	tcctttccct	ctaccttcaa	ctgggccagc	accccttagt	25080
ccacagcttg	ctgatgttgg	cttttctaac	agtccttatt	ttagaacctt	tccccctac	25140
tttcagagct	acctaatttc	accaattcct	aaaacttttg	ggattcttgt	aataataatt	25200
gggttggtht	ttgtctggca	ggcatagcct	ctttttttta	aaaatttttc	tttactttca	25260
tttatttcat	ttcttttttt	atthtatat	atattttatta	tacttaagtt	ctaggggtaca	25320
tgtgcacaa	gtgcaggtht	gttacatatg	tatacatgtg	ccatgttggg	gtgtgttacc	25380
cattaactag	tcattttacat	taggtatatc	tcctaattgt	atcccccccc	cctccccga	25440
catagcctct	ttttaccagg	ggttatgtaa	aatttacttg	ctgtgttctc	tctctccttt	25500
agatcatcga	aggtaacatg	aaggccact	ttattatgga	tgatccagca	ggaaacagtt	25560
acttgcaggt	atagtagacc	ttccctgatg	tttcatagag	atacattttc	tgatcttctt	25620
tgaatatgta	tcattttccct	agaaaactgaa	agacttgatt	ctaaatggac	tgctttttac	25680
caaggaggca	gaagttagaa	gatacataag	ggagaaaaga	gggggggtgt	ggaggggatt	25740
ttttttttta	gtgtatgtaa	agaaggaata	aaaaaggata	ctctgaggcc	cctttttttt	25800
ctgtagtcaa	gctcttgtcc	cagttctgga	gttttcatth	tgcaaatctg	attatggatt	25860
gaggagaaat	ggtaccttgt	ccggaggcca	agataggaaa	ctgataggct	ttaagttgac	25920
tgaggagaga	gtctggtgat	tgatgtacct	ttaccattta	ttggatactt	accatgggtc	25980
aggcaaaact	cttctaagtt	ctttccaaga	ttaagaccat	ttgtcatact	tttcataaga	26040
aggtgcagat	ataacaaaat	aggtggattg	ttccctgatt	ctggggctgg	ggtcttctac	26100
ccctggccca	tgtgggctct	gttgctaccc	actagttcag	tctagccatg	ggaaattgga	26160
ggccaataaa	aagaaaaaaa	cccaaaactc	attctgttct	tgggaagggt	ggaattggaa	26220
gctgcctgca	gagaggggga	gtggcacagc	ggcactgatt	gtctctcctt	gaccttgacg	26280
aatgtgtatg	cgcttgaaag	tgatctcagc	atgaagggtg	agcgtataca	gcgcaccttt	26340
gaccaaaatg	aggagctagg	gctcaatgac	atgaagacag	agggttatga	ggcaggcctg	26400
gctccgcaac	ggtagcagtg	ggtggctcaa	gggccagcct	ccagcgtgc	tctttctgta	26460
ggttattttat	tagtatttga	tgaaggcgaa	ggctgggagt	gtctttccca	ccagcccttg	26520
cccatgggtg	ggaggacatc	tggtctgagt	cagagatctg	tgcacacttt	ctaaacagct	26580
tgtgatgcaa	gtgtgagcct	attgtgttac	ttgaccttat	tttggaagtt	ttgaattggc	26640
ctaggaggaa	accagaaaat	gaaccagggg	tatgtcatca	cttttttcat	atcaagtcct	26700
caccctcctt	ccacataatg	ctctatcctc	taaggtttga	actctgaagt	tggagaagggt	26760
ggaataaaagt	tacaccttga	gtttgttgtt	ggttttgagt	atataaaata	ctgactttga	26820
acaggaaaagg	agtcctcctg	ggggagaccg	agtcacgac	aagtgaagga	gttaccattg	26880
aatgtatgac	tttcaaacag	cactggcctc	tgtattgacc	ctatccttgt	ttgatcatcat	26940
gctggttaga	ttcagcctcc	taagaaaaat	tttcccgtgt	atctactgta	atttggggat	27000
tgcagctggc	atttaattca	ttccttcagc	agatgcttgc	ttatctactt	tatgccaaag	27060
acaccacaga	acagaggaca	aaataaatct	ctttcatgga	acttgaagtc	tagtggggaa	27120
aaatgacaat	aaacagatga	ggaaaacagt	acatcggatg	gtgatttagt	tcatggagga	27180
atgtaaagca	gggaatgggg	ctgggttgtg	caaggaaatg	gggagtaggg	aagatcttct	27240
gaacaagaag	gtgataatth	gacatttggt	caaagctgag	gaggaggtca	gggagtgagc	27300
tgtgtgggta	tctgggggga	gagatttcct	ggcagaggga	actgcaaatg	ctagagctgt	27360
gaggttagag	ccagtggggg	tacctgatca	gttagcccta	ctctcagtha	gaaatgttga	27420
aacacattca	tccagagaga	aaggaggctc	cttgacgttc	ttctgaaagt	taaggaccag	27480
tgaacactct	ctgtgttggg	ccttggactt	cccagccagt			

aagaccaggtt	cattgatttaa	gatgttatca	caaaccttat	tgccttgtgt	tgcaaaccttt	27660
tttttttttt	tttttggtag	agacagagtc	tgcgctgtt	gcccgaggctg	gagtgacagt	27720
gtgtgatctt	ggcttattgc	aacctttgcc	tcccgggttt	aagcaattct	gcctcagcct	27780
cccgagtagc	ggggactaca	ggcgcacgcc	gccacacca	gctaatttct	tttgtatttt	27840
agtagagacg	gggtttcacc	gtgttgccca	ggctggctct	gaactcctga	gctcaggcaa	27900
tccgccagcc	ttggcctccc	aaagtgctag	gattacaggc	gtgagctacc	gcgtccggct	27960
gtgttgcaaa	cttaactctg	aagaatgagt	tagagatgat	ttagcaatca	gacatctact	28020
ctcgttgctc	tgttaaacta	ctctcaaagg	tcacaagtga	ttttccactt	ggaaagtgtt	28080
atctatttct	gtcacatttg	atagtggacc	atctcttctt	aaccttctt	ttggctctcg	28140
agatactgta	cccttgggtt	tcccttctact	ttgaatatatt	cttattttgga	cactttgcct	28200
cctccctctt	tactaaatth	gtttctgaga	gttctgcttt	cagacatctc	tccatatcag	28260
attctttggc	atcttactat	catgtgggac	taacttccat	acctgtatct	ctaatttctg	28320
taagttaggg	cgagagtaag	gtgtttggag	actcaggtta	gcaaatgact	cattcaaact	28380
ataaagcttc	agtactttgg	gcaaacttct	cacaggcaac	tattctaccc	taagagatta	28440
tctctagata	tgtttccagc	tgacttggga	atctaagttt	accagacaac	cctctgatct	28500
atcatttggt	ctcttaagta	gacttcccca	tagtgtaggt	gtgctctgtt	aagataaact	28560
gcagtatcag	gttcattttc	cattgtgaag	gaaaaaaaaa	ggcactctgg	cttattactg	28620
aatctcttgt	gagtttgggt	ggtgtgaggg	aatctcccag	aatccacca	gttcttagga	28680
aatgatgacc	tgagtttctg	aaacttgaag	ctgaggacca	ggtgccagac	tgggataacc	28740
cagctaagggt	acttctcgcc	ctttgatgac	aaggcattct	tcagtttcat	accttctctt	28800
tgaattatct	ttcagctcct	ttctcatttc	ataaagtgtg	tcaggatggg	agcttacata	28860
tagttaactg	agtcttgctc	cacagcacc	agcatatgac	acatggttaa	taaaatctgt	28920
taaaatcctc	catcatagat	taaaccctat	taggacacta	gggataacat	ctataggtaa	28980
aaagataggg	aaaggtctc	gctttaaggc	cagggtaggt	gagtcaaagt	gccaggaaca	29040
tgtggattca	gtttcacagc	catgagtaac	atttaagtgg	aaaaggtttg	tgatttgtgt	29100
aaaaaaggaa	agtggttcat	gcagtagggc	acgcctccta	ctttcatggg	tcaagtatgt	29160
gaaatgcagc	catggttcgg	cattagacgt	gtggacgaac	atacaggtag	gtactgaatg	29220
tacatctgtg	tcatgatgag	tggaggaggg	gaggtgagtg	ttggggacaa	gtatgaaggg	29280
cagttgactt	ggccaactga	aaactttaat	gatggcaaca	ctttcattct	aacatcagta	29340
tatttctctt	tttgtacacc	tgtggatatgt	gcctgatgca	cactgcagaa	aatgggtgtt	29400
ctgcttacat	ttagggcagt	ggtggctaag	actacttggc	tttattccta	ttaaaaaatg	29460
ttttttacac	acttcttttt	aaggcaaattg	gcagtgtttc	caactgtgga	gagaaaaagc	29520
tgcttatttt	gtgcgttcac	ctcagtttag	tattggcact	tccaatgctt	gttttcctag	29580
tctgtaaaat	ggggataaatt	aggataaaca	aaattatccc	cattttacag	gtgacaaaac	29640
agcctcagag	aggttacttc	cagaaggaag	cagagctttt	tttttttttt	tttttttttt	29700
tttttttttt	agacggagtc	tcactctgtt	gccagactgt	gagtgacagt	gcgtgatctt	29760
ggctcaccac	aacctctgcc	tcccaggttc	aagcgattct	cttgccctag	ccttctgagt	29820
agctgggact	acaggtgcac	gccaccatgc	ctggctaatt	tttttttttt	tttttttttt	29880
ggagacagtc	ttgctctgtc	accagggatg	gagtgacagt	gtgcgatctt	ggctcactgc	29940
agccttgctt	cctgggttca	agcaattctc	ctgcctcagc	ctcctgagta	gctgggatta	30000
cagacgcccc	ccactgcacc	cagctaattt	ttgtattttt	agtagagatg	gggtttcacc	30060
atgttggtca	ggctggctc	aaacccttga	cctcgtgatc	cacctgcctt	ggcctcccaa	30120
agtgcaggga	ttacaggcgt	gagccaccgt	gcctggccag	aagtagagct	tctaagaggc	30180
aggtgtcaaa	cccatgccag	tcagactctg	aaacctgagg	tctgaatatt	ttaagctcag	30240
ctccacaatt	actgtatttg	ttctattaga	tacaactgca	gagagaggcc	aaagctcaga	30300
gcaggccatt	ggcacggcat	ctgatcctgc	ttaactgccc	tgacgacag	ggtggagaca	30360
cttgggcctt	gtcaggctaa	gggactgggg	taggattggg	agcagtggaa	ttgaagacaa	30420
agaaaaaaaa	tgggcagaag	atgggtgggt	ggaagttcag	agggctatcc	tggcagtggt	30480
cactggagca	gaagtgtgag	gctttctgaa	tgcttgctga	caccagggtg	gggcagggtt	30540
gtgtagtgtg	agatgcacca	aattggacga	gaagccaagg	caggcttgtg	tatggggtac	30600
cctggggccc	tccgcctagt	gaagccctat	cttctcagcc	cagcgtctc	gtctcacaag	30660
ccctcagagc	cccagcctgc	tttcttttct	gggcctgtgc	tgcaaccccc	tcaacatggc	30720
ccactgggta	aaaattcatg	cttcaagact	gatccccaag	cctgttttgt	attatataag	30780
taaagaattt	tttaaacact	tatccccaga	taatgtgtat	ttatttataa	agtatagccc	30840
tgtctgcttg	actaatatat	taaaaaagtg	acctttttga	ctcttggtcc	aagaaactat	30900
tgtttgactt	tttgtgtagt	tgtgtatagc	atcctgcaaa	ttctgtcaga	agctctgtat	30960
ttcagtaaca	ctaaaacttc	tctctcaaat	ggtacaagtt	ttcagtttta	agacaagttc	31020</

tttgctaaga	caaatttgct	taagtgcgcc	ccccccgaac	tactacataa	attagtgaag	31140
gatgttttac	ttaatttgat	tttggtaatc	attacacaat	gtataattat	atccagtcac	31200
cacattgtac	accttgaata	tatataat	tttgtcaaat	aataaagctg	ggaagaaaac	31260
gataaaactg	acaatctaac	atataatgat	aggtaaaaag	atctgggtatt	tcaagaaatt	31320
tggatgacct	cttgcacccc	acttcgctag	cctctactcc	ctagagtcac	gttctgacta	31380
tgtgaagtgg	agcaacttcc	ttaatcttgc	cacgcttcag	ttcttatctg	taaaatatga	31440
taatgaaacg	atgtgagaat	tgtgagggtt	aaatgagata	attcaggtaa	agctctaaac	31500
cccctgcaaa	gaataaagtc	ttttctttcc	ccccaaaact	tgagtgttag	aattcattct	31560
ctctgggttc	tctcttttac	tatgctaaaa	aatgatccag	gtccgtcctt	ctcattggca	31620
agattgtttt	acagtttcc	tcaagagata	actgggggct	acttgtaata	gaacactaga	31680
agagtacac	aggtcttaga	aactacgttt	ttcatagtaa	ttatgttgg	ttgcacttcc	31740
tggcttcctt	tcttggacgg	taggtacctg	gaagcctagt	ggagcagatt	ccccccactt	31800
aaagatactt	ataaaaataa	cgaacatagt	tccgatgacc	atgtgcccac	caccgctctg	31860
cgcacttcac	acagtaatat	catctcagcc	tgtgaccgtt	ccgagttagg	tgccgggatt	31920
ctccctgttt	tgtgataact	tgcccagagt	cgtacagcta	gccagctatg	gaaccagtat	31980
tcaaactcgg	ctacgctgca	gcccgtggcc	ctccactttc	ttgctcgtgc	tctggagttt	32040
aagcggccga	tgggggcccgg	gtcctttggg	tcagggttgg	gcctcataga	acagcgttg	32100
ctgcggttgg	atggatgggt	gggtgggtgg	gtgagtgaat	gaagagaaga	aacctgggtg	32160
cgtcgtccca	gggctgtgga	gcgccccgaa	gggtgcgcacg	tccctggcta	gcctgcgagc	32220
gcgtccccgg	ggcgcacct	gccagccggc	cgattcttag	cactctccgc	cacttccggc	32280
cgtggccccg	ccctgtccgg	tggctggcgt	cggttacggc	ttgaggcatt	ttgtccccag	32340
cgcgcaccgg	tctctctgcc	cccgccgctg	ccatggcgcc	agctccgccc	ctttccaagg	32400
ccgagtatct	gaagcgttac	ttgtccgggg	cagatgccgg	cgctcgaccgg	ggatctgagt	32460
ccggtcgcaa	gcgtcgcaaa	aagcggccga	agcctggcgg	ggccggcgcc	aaggggtgag	32520
ttggtaccgg	ccggggcggg	gcctgcgacg	tctagccacc	ccttccccac	tccgcctcgc	32580
gccgcccggc	agttccttcc	ctcttggcgg	gtctctaggg	ttctccgccc	accctgctc	32640
atgctcaggg	ccccactcac	atcgcttgag	gccccccgce	ttgcctctgc	cgccccgctt	32700
acatctcgag	cctctgagca	gtagcgtcag	tgcgttaaag	ccggggtgta	actttgatta	32760
ctcttttccc	gccttggtag	acttccgtcc	tctcccatag	agaatgaata	ttgtgcctcg	32820
agaataatgg	agcggattca	aagcctctgt	tcttggatct	ttagggcccc	gtacctgcct	32880
gtggggattc	ccagatccca	aggacttggt	tctgaatcag	agacctttga	tcacctcctg	32940
ttactcttag	taatagtcct	aacgtgagaa	gctaacattt	atatagttat	acttttcttg	33000
ccaggcacca	ttataagaaa	tttaaacata	tataagttaa	tttaagcctc	accacactac	33060
catgaagtgg	gtattat	catatgggac	aactttgtgg	cccagtgtag	tgggccctac	33120
caaatcgttt	tccaccacga	accacagaat	gtgacattta	gaaataggg	ctttggagat	33180
gtaatcagtt	aagatgaggt	catacttgat	taagggtggg	gccaaatcca	agatgactgt	33240
ttgcctttta	aaaagagggg	agtatggata	cagacacagc	aacaaaggaa	aaacgaccat	33300
gtctagatga	aggctgagat	tggattggat	ttatgttggc	aaaagccaag	gtatgcttgg	33360
ggctaccaga	agctgggaga	ggcaaggaaa	tattctctgc	tagagacttt	ccaggaggga	33420
tggccttgca	gacacctgga	tttcagattg	ctagcttcca	gaactgcgag	agagtctctg	33480
ttgttttatg	ccacgcaatt	tgtggtactt	tgttacagta	accctaaggc	actgagatac	33540
ccagtgaagt	cacattgttc	taaagaacta	gtccaagttc	ttttctgggt	tgggtgcttg	33600
cttattattg	tcttcgtctt	tctgcctcgc	tgacttgtgt	ggatcctttg	gaggcagtcg	33660
catgtgatga	aagtagcttg	agtgttggag	cagcactggg	cagagtccga	atcctagctg	33720
tgccacttta	taggctgtgt	acccttgggc	aagggtgttc	atctcactga	gctgcagttt	33780
ccttatcttt	aaaatgagaa	taataataat	aatggtttta	tttaagtggg	gttgtgatta	33840
gagggattgc	attaagtga	cctggctttt	tgaataactt	cacatcatgg	cagtcattgt	33900
tattatttgg	gctcaactat	atagtttatc	cagtaacaa	acattttattg	aatatttcgt	33960
attccagtta	ctgtagggtg	ttgaggatgc	ctctgtgaac	aaaaaaaaca	tagtccctgt	34020
tcttgtggag	cttatagatt	aatgggaata	caggctttaa	gcaactaatt	acacaactaa	34080
tcgatataat	ttctttatga	taaatgcaat	gaaagtattc	caagagtttt	taacaagggt	34140
tcttagtctt	gagtgaagt	gggatgggtg	gggaattggg	tgaagcagtc	aagaaaagtt	34200
tgccaaagga	agttaaat	gtgttaggac	ctgaagaatg	aggaagagtt	tcctggaatg	34260
agaaagagtt	tcctagcact	ttgggaggcc	aaggcgggtg	gattgcttgc	atctaggagt	34320
ttgagaccag	tctgggcaac	atggtgaaac	cctgtttcta	caaaaaatac	aaaaaagtag	34380
tcaggcacag	tggcacatgc	ctgtagtccc	agctacttgg	gagactgagt	agggagaata	34440
acttaacccc	gggaagtcaa	ggctgcaggg	agccatgatg	gtgtccctgc	actccagcct	34500
gggcagcagt	gtgagaccct	gtctcaaaaa	agaaaaagac	tagggccggg	cgcggtggct	34560

cagccctata	atcccgacac	tttgggaggc	caaggcgggc	ggatcacgag	gtcaggagat	34620
cgagaccatc	ctgactaaca	cggtgaaacc	ccgtctctac	taaaaatata	aaaaattagc	34680
caggcgtggc	agtggctgcc	tgtagtccca	gctactcagg	aggctgaggc	aggagaatgg	34740
tgtgaacccg	ggaggcagag	cttgccagtga	gctgagatcg	tgccactgca	ctccagcctg	34800
ggcaacagag	cgagactccg	tctcaaaaaa	aaaaaaaaaag	aaaaagattg	aaaagagtag	34860
atcaggcaga	gggaaggaac	tgcatatgtg	aaaactgatg	tgataggaac	ttggctcctt	34920
tctaagcacc	aaaggatgac	cagggagggtg	ttcaaccaag	gaagtagcac	taggagatga	34980
agttgacctt	gtagacaaag	actggaccat	gcaggatcct	gtagaatttt	gaactttatt	35040
ttaaaaccaa	tagataaatg	ttttttatgct	ggtatcctag	aatgactctt	tttgatcttc	35100
ttattctcat	ttagaatgcg	gattgtggat	gatgatgtga	gctggacagc	tatctccaca	35160
accaaactag	aaaaggagga	agaggaagat	gatggagatt	tgccctgtgg	atgtatcttt	35220
ggggctgtca	ggattttgaa	atgaagcaag	cttctcaatt	tctttttttt	tttttttttt	35280
gagatggagt	ctcgctctgt	cacccaagct	ggagtgcaat	ggcatgatct	tggctcactg	35340
caacctccgc	ctcccgggtt	cagatgattc	tctgcctca	gcctcctgag	tagctgggat	35400
tacaggcacc	cgccatcatg	cctggctaatt	tttttttttt	taatttttgt	agaaatgggg	35460
tttcaccatg	ttggccaggc	tggctcttgaa	ctcatgacct	caggtgatcc	accacacctg	35520
gcctcccaaa	gtgctgggat	tacaggcgtg	agccatttgt	ccaggccaag	cttctcaaat	35580
ttatttttcc	agcttagggt	agatttgtag	gggggttagt	tgagaacaga	aaagaggtga	35640
cagtttccaa	agagctgttt	aaaatagttt	tctttgtcga	tgccatatac	ccaactgtgc	35700
tctttatgga	gggtccatca	gcctagaaat	gagatggatc	acagagagag	gacttctcga	35760
catcagtgtt	agagtaatga	tgagacttag	ctgtggttca	ttttgttgga	atcttcctta	35820
aaaacaatgc	tgaggttcag	ttatagggaa	ctttttattt	gctccttttt	tcagtgcctt	35880
aactaagctt	tcaaattgta	tattcttgcc	taagtactgg	agatatgtag	attaatagaa	35940
catagctgta	ttttagagat	tataccctag	aatgaaaaac	tgaatttcag	ataaatttca	36000
acagtatggt	aaatgttggg	gatgtttcac	atacgtacca	agtaccatta	gagcccgggg	36060
aggtagcata	ctttgtattc	tgttgggaga	tatcctgaaa	gatgtaaata	ctgagttttg	36120
aagggtaaat	aagagccagg	tggacaaaaa	cataggcaaa	tgacctccca	gtgggttcag	36180
aaaccattgc	tgagaatttc	tgagaaacaa	agtggaaagg	agagctgtag	ataggctgaa	36240
ttccactaaa	gttggtaaag	atggattcca	gtggatattt	aatattaatt	cccagcaaaa	36300
ttcttttttt	tttttttttt	ttgagacgga	gtctcacctg	gttgcccagg	cttgagtgtg	36360
gtggtatgat	ctcggtcac	tgcaagctct	gcctcctggg	ttcacaccat	tctcctgcct	36420
cagcctcctg	agtagctggg	actacagggg	cccaccaaca	cgcccggcta	attttttgtg	36480
tttttttttg	tatttttagt	agagacaggg	ttcatcatg	ttagccagg	tggctctgat	36540
ctcctgacct	cgtgatccgc	ccacctcggc	ctcctgaagg	gctgggatta	catgtgtgag	36600
ccactgcacc	tggccaattc	ccagcaaaat	tctaaaatag	attatttaaa	agagggcttg	36660
ctagtaatta	gaagggaat	agtgatctta	gggagccaat	ttagtttttg	tcagaagaag	36720
taaatattaa	caatgtttgt	tgtttttttt	taattttata	aaagcaatgc	atattttata	36780
cagaatattt	gggaatttaa	aaaagtttaa	agtttttaaa	agaataaaca	cttgcatggt	36840
accatccaaa	gataactgct	aatacttgga	tgcatatctc	ttcaggtttt	tctctttaga	36900
gattatacac	gcttgatatt	tatttttttg	aacataattg	ggatcatact	gtacataggg	36960
ttttggagtc	tactcctctg	ctaaataata	tgttgtggat	actctggtaa	gaccttaaaa	37020
tattctttga	gtgtatgatt	tttaacggtt	atgtagtagt	tcaatatata	tattttatct	37080
gttctgttac	tggatacatg	gattgtttcc	acttataaaa	tatcatacat	cgttgtacat	37140
aaatcatttg	tagaaatcag	tttattttct	tattcccata	aaatgaaatg	agtggatcaa	37200
agggtatggt	tcgcttttagt	tatatcccca	tgttgctttc	caaaagggtgc	taccaattta	37260
cactcccact	agaggtgatg	agaatgccag	tttgccctacg	tcgtcaatat	tagagcacta	37320
ttattattat	tattattatt	attattatta	tttttgagac	agggtccttg	tctgttgccc	37380
aggctgaaat	acagtggtgt	gatcatgccc	cattgtagcc	tctaccttcc	aggtgcaagc	37440
aatcctccta	ccttagtcct	gcacgtagct	ggtagcacag	gtgcgcacct	ccatgcctgg	37500
ctaatttttg	gtattttttg	tagagatgag	gtctctgtgt	tgcccagtc	ggtcttgacc	37560
tcttgggctc	aagtgatcct	cctgcctagg	cctcctaaag	tgttgggatt	acagggtgta	37620
gccacatgcc	ccaccaatat	tgaaggatta	ttaacaaaac	aaaaccaata	gcaaacctat	37680
gctgatttag	caagtgaagta	atggtatcca	gtttcttttt	tttttttttt	tttttttggtg	37740
gagtctcact	ctggtgcccc	ggctggagtg	cagtggcggtg	atctcggatc	actgcaagct	37800
ccgctcccg	ggttcaagcc	attctcctgc	ctcagcctcc	cgagttagctg	ggactacagg	37860
cactgccac	catgcctggc	taattttttg	tatttttagt	agagatgaag	tttctactgtg	37920
ttagccagga	tgatcttgat	ctcctaactt	catgatctgc	ctgcctcgcc	ctccaaaagt	37980
gctgggatta	caqacqtaq					

gaattcattttt	ttatatggtc	attagggctta	tgttgtgggt	gtattttatc	atttgccttt	38100
tcacttagtt	cataattggt	tttattat	tttttttttg	agacatatc	tcacactgtc	38160
accaacgctg	gagtgcagtg	gctcaatctt	ggctcactgc	agcctctgcc	tcccagggtc	38220
aagtgaacct	cctgcctcag	cctcccaa	agctgggatt	acaggcgct	gccaccatgc	38280
ccagctaatt	tttgtgtttt	tggtagagac	ggggtttcac	cgtgttgct	aggctgggtca	38340
tgaactcctg	ggctcaagca	atccaccgc	ctcagcctcc	caaagtgtca	ggattacagg	38400
aatgagccac	cgcacctggc	cattttcttt	tataatattg	tcttgctttt	atgatggccc	38460
aaaaacctaa	acaaaggagg	ctttagtggc	actgctctct	gcattgggta	aaacagatct	38520
tgattactga	attcattttt	gtaactgcaa	gatcaccacc	accaccagta	ataatggtaa	38580
acgattatag	atgattacga	tagcagtggc	agcacaggaa	taattaatag	gtgtcattta	38640
ttgggcattt	atcatgtacc	aagcatggct	aagcttacgt	gaattatctc	attcaatcct	38700
tatagcaatc	ctttgaatcc	cacttttaca	aatgaggaaa	ttgaggctta	gaataattta	38760
ccaaagggtta	cacaaatgct	aagtggccga	gctgggggtt	agatcttaat	tcactctggc	38820
cgaaacctgt	gcttttaacg	ctcagtgaga	gatctcaaaa	ctgggttata	tgaagaatga	38880
tggtaggatt	ttggggagaag	tagagggcta	ttatgacctg	gatttaaatt	ccagttctgc	38940
cacttgttag	cttgtgacat	tgagaaagtt	actgaacttc	tccgaatcag	tttgctattc	39000
agtagtgtgg	agcctttctt	tacaggatta	ttgtgagaat	cgagttagat	tatatgagta	39060
aaccacaaaa	cacagtacct	tgcacatagt	tgtctacttg	taactaggat	ttattatgcc	39120
agcaatcttg	aaagtttgtc	atgtggactt	acatcacagg	tcagaactag	aatgaattca	39180
aagaagttat	aggaaggcag	atacggta	agtaaaaacta	agaactttct	aacatttttg	39240
aaaaatgcag	tggacttgtt	tgtaaagata	tgagttcctt	gtcaggaagg	gattgggcga	39300
gtgaccactt	attaggaata	ctatagagaa	gattctgatt	tgttcagaag	tttagaagat	39360
atgaaatgtg	gttttagctc	ttaaagatta	atgattctgt	gtacatctca	gtggctcttt	39420
ttggttgtat	tcaagaaaac	ctatcactgt	gactaccctac	aacaagaaag	gattcataga	39480
aaccctaaag	ccttgatttag	tgctaggcat	gatgggggga	gccacctatg	tttccactgt	39540
taatgtagaa	gtaaaagtgt	aaaaggaatt	tagttgttag	tttacaagtg	gctgttgtgt	39600
acctagcagg	ttataaaaa	ggtttgtaat	gaaaaaaat	aaccttttga	gggtaattga	39660
ttaattagag	aaggatctac	aattaaaacca	atacagtgc	aatcagatgt	ttatggagca	39720
aacataactg	aagaccctta	cttactttct	catgaccatt	ttggatatat	gtacgccctt	39780
gtgttaggaa	tcggaatggt	tgtaaacttca	ggttcttgag	acagtgttct	ttggctggat	39840
cctgtggatt	tcctaagata	ggaaatcttt	actctcacag	gtggcagagt	ttgtggatga	39900
gcgccagaa	gaggtaaagc	agatggaggc	ctttcgttcc	agtccaaat	ggaagcttct	39960
gggaggtgag	ttccaacaat	agataaatct	aaatttccat	tagtagggga	gatctttttt	40020
ccttttctat	acttttcttt	agaggaatgc	atagtttggt	ttagcatgtc	attgatcctg	40080
aaaaataaag	caggaaaaag	gaagttggac	ttcttcagag	gtagtaagac	ataggaactt	40140
atagaccaga	tattcctctt	tctcttata	tttggcatta	ggattactga	ggttggtgac	40200
taatttggag	goccttgagc	accattctct	ctttgactca	gaataggaga	gcacttgggtg	40260
tataggcaag	actttggag	gagtttaca	gaaacaggag	cagaattttg	ggacttttagc	40320
taccactatc	ctcttcacac	atgaagcaac	tcatttctgg	gggtcaagg	accagtgtat	40380
tttgttctgt	ttgtgttagt	aaatttctct	cttctttcct	taagtattgg	tgttttatag	40440
tgcatcacc	tcacttgcc	cactttggac	tcttcctaag	ctaataatct	taatttaact	40500
ctctttaaaa	aaatttgagt	ccttgagaat	tgataaaaa	gcatttggtt	gtcacatctg	40560
tttgagcata	gactagtctt	atttgccatg	atattcccct	atctagcaca	aggagctacc	40620
tttaataaat	atttgtagaa	ttgtttaatt	gctagtaggt	atttgatttt	tgtagcctaa	40680
tcagaattct	tttccaaaga	gaatcttttg	gtctccatgt	ctgtttgtct	aggaagacac	40740
acagacacac	acatacacac	ggtgccttt	cttgtgtatc	tgaatgttta	gaaggtcagt	40800
cacacacaca	cacagtcaca	ctcacactca	cctactcctt	ttctctgcc	ttgctttcac	40860
tcccccatcc	caatttggtta	ttggaagtac	gcttaccaat	ctctgaccct	tgcttccctc	40920
agatttactg	ttaggcccc	cacagacatc	atacttttct	ctgtggagtg	gattccaatc	40980
agatagggtc	gttccccaaa	gtaaaggagt	tgacttgggt	taattcatcc	atttaacaag	41040
tattcatcag	ttcctacca	gcttttattt	gtatttgggc	tgtggagctc	aatgacaaga	41100
aatagaggta	gaggaagaac	tggattttga	aactgttcca	gttgctatag	atatttcatt	41160
ctgtgggtgc	tttgaatatg	gaaggtctca	aactatgtat	tttaacttta	aagctttaca	41220
tattttaaag	attgcacatg	gactctggag	tcaaatagag	ctggatttaa	atattcctct	41280
accacttatt	agcaatatga	ctttggcaag	ttaatctttc	tgagtatcaa	cttctctatc	41340
tataaatgaa	atgacagtat	ttatgtccta	ggcttgttgt	gagaattgaa	tcaggtaatc	41400
tctatgaaac	actggcacac	agtaggtgat	tggttaattac	ttgtctcttt	ctttttgtg	41460
qtgatttttc	ccctctctaa	gaaagagcac				

tatttttgat	attcacggtt	ttagtcaatt	tacctattga	aagaagagt	agtacaaact	41580
ataaagtatc	taggcaaaat	atcagtagga	gccactagct	gggaactctg	cacaaatgag	41640
gttttagaaa	gaacattgga	ctgggagtta	gaagacttgg	attctagcct	gtgtcttcac	41700
tttaggagct	gtgaccttag	gtaagaaatc	actcagctcc	tcagctgaaa	acagaggctg	41760
tggcctctgt	tttcatgctg	taatacaagg	gtacctgccc	tgcttacctt	aaaggggtata	41820
atatgaaaaa	tgtgctgaaa	atgctttgca	aatttatgac	ttggtaggcg	gaggggttat	41880
tcttaagata	ttcatgagtg	gtggtttgct	gcccctaagc	aagaaaactg	tgcaggcctt	41940
ttgggctttc	tgagcagttc	tgaggtagtg	gctactggag	catctttttg	aactgggtgt	42000
ggggctggac	agagggacac	agcatttgtg	ggaatctgac	tctttgttat	ttgtgttag	42060
gccacaacga	agacctaccc	tcaaacagac	attttcgtca	cgatacccg	gattcatctc	42120
ctaggagggt	ccgtcatggt	accccagatc	catctcctag	gaaggaccgt	catgacaccc	42180
cggatccatc	tcctaggagg	gcccgtcatg	acaccccrga	tccttctccc	ctcagagggg	42240
ctcgtcatga	ctcagacaca	tctcctccca	ggaggatccg	tcagtactcc	tcagacactt	42300
cacccccaa	gagggcccgt	catgattctc	cagatccttc	tccccaa	aggcctcagc	42360
ataattcttc	aggtgcatct	cctaggagag	tccgtcatga	ttcaccagat	ccctctcctc	42420
ctaggcgagc	ccgtcatggt	tcctcagata	tctcttcccc	cagaagggtc	cataacaact	42480
ccctgacac	atctaggagg	actcttggct	cttcagacac	acagcaactc	agaagggccc	42540
gtcatgactc	ccctgatttg	gctcctaagt	tcacttattc	cctgcccaga	acccaaagt	42600
gtaaagcccc	agaaagagcc	tctagcaaga	ctctccaca	ttggaaggag	tcaggagcct	42660
cccatttgtc	attcccaaag	aacagcaaat	atgagtatga	ccctgacatc	tctcctccac	42720
gaaaaaagca	agcaaaatcc	cattttggag	acaagaagca	gcttgattcc	aaaggtgagc	42780
atatgactgt	ccatgagagg	gatgtatgta	tccctgggag	ctttcttttg	gccgtttagt	42840
tgatttatta	ggtataagaa	tggaatttct	ttgggaaagt	tttgaaaagt	gagaggctgg	42900
gtttgggaga	gttgacaat	tatggtggca	gggaggaagg	ttttcatatg	tctttttatg	42960
tgctcgctcc	accccatata	aaagtacaat	ttatttgttg	cagaagcttt	ggaatgtaca	43020
gaagtatata	aagataaaaa	gtgacacaaa	attctgtcat	tcagaggtaa	ttattgttag	43080
tgttggtggc	agggctcatct	tagtcttttt	tggtttgcac	tttttatata	gttagctctc	43140
ggctgtgtag	aacatttghta	ttgcattgtc	aatcttgctc	gctgtccttt	cttaacgtag	43200
tctctctcag	gccataaaac	atctttatgt	tagtataatt	tttaatatgt	tttaactaca	43260
aatttaacca	ttttccta	aatgaatgtt	tttggttatt	tctaagtttt	ttcttctgta	43320
attctataat	gaacatcctt	gtacataaac	tgttgtcccc	attttggtat	atttccttat	43380
ctacttctag	atagatttcc	tcgaaattca	actacttcta	tataagtttc	ctagaaagct	43440
gagaagttga	tgtactgggt	cagaagatgt	gggcgtttta	aagactgtcg	atacatattg	43500
cagaatgccc	tttggggagg	gacttgtgat	gcttatacag	tcgctagaac	ttaggcctgt	43560
gcagtgaat	tttttactcc	ctcttttgtt	cctaggaact	attttaattt	taaaattaaa	43620
gtactttgtt	atccttttag	ccaaggatat	cagactatat	tccagggtat	tctgactttt	43680
gccacactat	ggagagctga	ctacaagtta	ttttgtcttt	ccatgggtgg	ggttactgac	43740
atagaggagt	gtgtgggagt	tttacacacc	agttacagtc	agtgttctact	tgggaataga	43800
atgccatatt	ctacctgttg	gtcttaaaaag	ttgtttctga	ctttgtctct	ctcctgtgcc	43860
atccatactt	atgttttaggt	taatgataat	tcttcatagg	aaaactaaat	aaatatgtac	43920
attagcttgg	taagttatct	ttttagattc	ttccaagggg	attaaagaac	tctttggcca	43980
ggcatggtgg	ctcaagccta	taatcccagc	actttggagg	ccgagggtgg	cagatcacct	44040
caggtcagga	gttcaagacc	agcctggcca	acatagcgaa	accccatctc	tactaaaaac	44100
acaaaaatta	gctgggcgtg	gtggcacaca	cctgtaattc	cagctacttg	ggaggctgag	44160
gcacaataat	tgcttgaacc	caggaggcgg	aggttgcagt	gagctgagat	catgccactg	44220
cactccagcc	tgagactgtc	tcaaaaaaaa	aaaaataata	ataatgtaag	gaattcttta	44280
atttctaggt	tcttctccca	gccataggag	atttcatgta	agttcttcac	ctaggggaca	44340
tcagagtcac	acagattctt	gtctctatc	caggtgcagt	ccagaaaagca	actgattcag	44400
acctttcttc	tcacggcat	aaacaaagtc	cagggcacca	ggattctgat	tcagatctgt	44460
cacctccacg	gaatagacct	agacaccgga	gctctgattc	tgacctctct	ccaccaagga	44520
ggagacagag	gaccaaactc	tctgattctg	acctgtcccc	gcctcgaagg	agtcagcctc	44580
ctggaaagaa	ggtcaggatt	ttcaggagcc	atgtccttct	tttcgtgtga	ctcttctctc	44640
tcagctttat	atatgtccca	gagaatcaag	ccaagaagaa	ggatgtagct	ctgagaagtg	44700
tagtaaatct	tagttaaag	gacctttgga	ggtctttcct	tctgaaggca	aactggctat	44760
aacctatccc	agatggactt	acagataacca	gatttcccaa	gtagcttctg	cgtttatagc	44820
ctcttaattc	tacaattctca	ttttaacagg	tctagaaaaa	cttcctattt	tcttaggaat	44880
aaaccgagga	ctgtaatttg	ccagagtgaag	tttggagcac	aagcattgtg	tcaaacggat	44940
cacata						

tatctctaaa	cctcagtttc	tttatctgta	aattgtggat	aatagtagta	cctactgtgt	45060
aaggttgtaa	tgataattaa	gccagtgtaa	gtaaaactct	tagcacagtg	tctgggacaa	45120
agtaagcatc	tagtgtagt	gatttactag	tataaattgg	actataggtc	tctgtatcca	45180
gagcttaagg	agaggcactt	aaaatatgaa	accactttta	gaaatcatgt	tgtctgagaa	45240
gtcaatgggt	tggttttaaat	tcatgataag	gcttgatgaa	ttagccaaaa	aaccccaaaa	45300
tccatatgaa	ccttgagtaa	ttatatgtga	aagaacattg	gtagtagtaa	aggaatctta	45360
tttgtaagt	gttaagaaac	agaatgatag	agcctgtgat	gtgcattttt	ctccccagtg	45420
cagacttatc	aggtaaactc	trtctgtaga	agactctgag	aagactgggtc	ctggcagggt	45480
agaccagcct	gttctttacc	cagggaagtga	gattcttctt	ttttagggaa	aaaagagggtc	45540
tctgtttcag	ctggacctct	tggcattttta	tatatccatt	tagttcatgg	acaacttaat	45600
attattccaa	tttcgttgct	gaaggatata	aagatatact	gtgtgcttca	ttcgtggggt	45660
gatttgctat	cttgatgcta	agtggaaatt	agcaaaaagt	tttcatttgt	tagatcttct	45720
gttattacca	tgaaatatat	ccacaattta	aggatcttag	gtttgcttga	gtttgtactg	45780
taaatggaat	attttatcag	tatgggtctc	taatggaagg	cttagtgctt	tatactgggt	45840
tctgatcaga	tgacctgaga	tagtcttcat	gtgtgcagtt	tatatactga	aaagtcagaa	45900
atacaaatgc	gtagccctcc	atttaataata	ttgttagtgt	ttctgcttat	tcttaaaactt	45960
gatgggtttg	atgatgggtt	tcttttatag	tttttgaatc	ctatggtaat	tattgagaat	46020
ataaagctag	agtttttaggt	ttaattattg	ctgggtcatta	gacacaaatg	caactaactg	46080
tgtacccatg	gaacctactg	tcacatcatc	tcattaatgt	tggatgctcc	cttttccggt	46140
gcataggctg	cacacatgta	ttctggggct	aaaactgggt	tgggtgttaac	tgacatacag	46200
cgagaacagc	aggagctcaa	ggaacaggat	caagaaacca	tggcatttga	aggtaaaaat	46260
atgaaagtgc	agagaccaat	ttaggctcat	actgtttttt	ttttttaatt	tagctttattg	46320
tacctgatata	tttgaacttt	taattgctat	caaatttcag	ctctgggtttt	atgcatttgtt	46380
gtaattttctc	agtgaatccc	agtgtcttct	tccttcttga	aaaatgccat	ttcgcccagg	46440
cgcggtgggt	catgcttgta	atcccagcac	tttggtaggc	cgaggcggtt	ggatcagctg	46500
aggctctgtag	ttcaagacca	gcctgggctaa	catgatgaaa	ccctgtctct	acaaaaaata	46560
caaaaaaaaa	ctagccaggc	atgggtgttg	atgcctgtaa	tcacagctac	tcaggagggt	46620
gagacaggag	aatcgcttga	acctgggagg	tggagggttg	agtgaagcaa	gatcgcgcca	46680
ctgcactcca	acctgggcaa	cagagtgaga	ctccatctca	aaaaaaaaaa	aaaaaaaaaa	46740
aggaaaatgc	catttcttgg	gcccagtgcc	aatatgcacc	aagatgttgg	taggaactac	46800
tttggtctgg	ctgcagaagt	tcttatctag	cttagaatac	ccaagcggtt	gatttgatct	46860
cttagaatgt	tatttctgat	tttgatcctg	atatttgagt	ataattttcc	tttgacagctg	46920
aattttcaata	tgctgaaacc	gtatttctgag	ataagtctgg	tcgtaagagg	aatttgaaac	46980
tcgaacgttt	agagcaaagg	aggaaagcag	aaaaggactc	agagagagat	gagctgtatg	47040
cccagtgggg	aaaagggtaa	gggaaccact	gaaagggtaa	acaagatggc	agtgactgga	47100
acaagtcatt	tctctgctct	tctgatcact	cactttctta	ttatgccttc	agagctgtta	47160
tcagtaatgg	gaaatttggt	gtgctgaatc	ttcttcctag	gatattgata	tattccacgc	47220
ttctagtggg	tattctggga	attttaccct	gctcagtatt	tgccctaggg	tactagaaaag	47280
aggagatttg	ccaaacttag	cagtatgggt	catctcgtgt	agaagtggaa	atgtcataca	47340
ggatagcaaa	cactcttggg	tcctttttgc	cagggttgc	ccagagccgg	caacagcaac	47400
aaaatgtgga	ggatgcaatg	aaagagatgc	aaaagcctct	ggcccgtat	attgtgacg	47460
aagatctgga	taggatgcta	agagaacagg	aaagagaggg	ggaccctatg	gccaacttca	47520
tcaagaagaa	taaggccaag	gagaacaaga	ataaaaaagg	tgggacttct	gggaatcatc	47580
agctggaggt	gacttgtgaa	gagagaatca	ttaggatgct	gatacatagc	tatatgcaaa	47640
gaaggatttc	ccaaataatt	taaattcatt	gtatttgtga	gttttagattc	aactcaattg	47700
gtctttctat	ataaaaaatt	ttccaggcca	ggcgcagtg	ctcatgtttg	taatcctagc	47760
acttcgggag	gccgaggtgg	gtggatcacc	ttagagttcg	agaccagcct	ggccaacatg	47820
gtgaaacccc	atctctacta	aaaatacaaa	aaaaaaaaaa	aaatagccgg	tcatggtggt	47880
gcacgcctgc	aactccggct	agttgggagg	ctaaggcacg	agaattgctt	gaacccagga	47940
ggcagaggtt	gcagtgagct	gagatcggtc	cactgtactc	cagcctgggc	aacagagtga	48000
gactctacta	aaaaaaaaagg	aaaattccac	attgccatcc	agctctgaat	taaactatgt	48060
cattaactga	atactttttt	cttactcttc	tcattagtga	gacctcgcta	cagtgggtcca	48120
gcacctcctc	ccaacagatt	taatatctgg	cctgggatatc	gctgggacgg	agtggacagg	48180
taagcctggg	tatttcttac	attttctacc	tgactgtaac	cttccttaac	cactcgtaag	48240
ttgctccaca	ctttattttca	ttctctgctt	taatcacaag	gtgaaaaata	tgcacttttgc	48300
ttgcttcttt	ttctgagggtc	cacaaatcct	atttctcatg	cttggaacac	tcctccttct	48360
gtttcctttt	cataatactt	tttaaagctc	tggacaaaca	cctcaggtgg	ttcagataag	48420
acaccctttg	ttttggacat	tggttacttt	taatgatatt	ttgtaagggt	tagagggggt	48480

gagtgatgag	ttgtagtctg	gagccttcta	cctgatatat	ctttaaaatg	tagcctctga	48540
atctttatct	actttatggt	tttaggaggc	agtcactttt	aatgtcttcc	agtcctctac	48600
cccacctcat	ctgtctacct	accaacatct	gtaccacagt	actctaactt	cctgttatga	48660
tggatgaata	tttgcttcca	tccaaagtca	gtttgtatac	tcacatatta	gatcccatct	48720
cctcttgcc	actaaaggac	attgttttag	tatctagcac	aataattcct	aaacttttta	48780
atctcaggac	cctttttacag	tctttttttt	tttgagatgg	agcctcgccc	tgtcgccag	48840
gctggagtg	agtggcgag	tctcggtcca	ctgcaacctc	tgcctcctgg	gttcaagcga	48900
ttctcttgcc	ctagcctccc	gagtagtctg	gattaccggc	gcccgtgccc	acacccagct	48960
aattttttgt	atcttttaata	gagacggagt	ttcaccatgt	tgccaggctg	gtctcaaact	49020
cctgacctca	ggtgaccgcg	ccacttcagc	ctcccaaagt	gctgggtatta	caggcttaca	49080
ggattacagg	attacagggtg	agccaccatg	cccaaccact	cttatttttt	tttgaggcag	49140
agtcttgctc	tgttgctcag	gctggagtg	agtggtgcaa	tctccacttc	ccgggttcaa	49200
gcaattctca	tgcttcagtg	gcctgagtag	ctgggattac	aggcatgtgt	caccatatcc	49260
agctaatttt	tgcattttta	gtagagacga	ggttttgcca	cattggccag	gctggctctg	49320
aattcttggg	ctcatatgat	tgtctgcctc	gatttcccaa	agtgtcggga	ttacacgctt	49380
gagccaccgt	gcctggccta	cgctcttaaa	aattactgat	gacctcaaaa	agcttttgtt	49440
gatgtggatt	atatataattg	atattttacca	cattataaat	taaaactcag	acattttaaaa	49500
agtattttat	cattcaaaaa	aaaataaact	aattatgtta	acataattac	tgtatattta	49560
aatgaaaaat	aattacattt	tccaagtga	aaaacagaag	gatggcatgtg	atttaccattt	49620
ttgcaaatct	cattaatgtc	tgactttaata	ataggtaact	tgactctgta	tttgtctgtt	49680
gtgatttggt	cagttgaagt	atagaaagaa	aatttagcct	cacacatagg	tagttagaaa	49740
gagaaggcat	attatatctt	ttaatgttac	acaaaaactc	aacaagtgtc	ggtttcttaa	49800
aggtgagcta	tgtggaacct	gaaaccagat	caaagaactt	tccttactgt	tatattaatt	49860
tttttaatac	tttgagtgga	tctttttacc	atgcatgatt	ttataacatc	atgcattggt	49920
catttgtaaa	atattggttt	gctgagttgt	tcagaccttc	caaagtgtga	catatttcca	49980
ctatacaata	tcagaaaatc	acttttgtta	acatcacttc	cggctcttatc	acaaaaactct	50040
ttaaataatg	ggaagttaaa	gagttcacag	tttttcagaa	tcttaattta	cacttgaaag	50100
tttaaagtgt	atcactggca	tttccattgc	ttgagctatt	tccattttaat	agcttaattt	50160
ctctgctgag	atttcccatc	tgttctattat	gagatatctt	cctcttcttg	aaaatatattg	50220
tgatatgtaa	ttggtgcttt	gaagtccttc	ctgtctgtta	attgcaacat	tggattcacc	50280
acaggattgg	tttctatatt	ggcagctttt	tcttcagtgt	gtattacatt	ttcctgttta	50340
tttacctgtc	tggtcacttt	tttaaattgt	tactggacat	catgaatgat	atactgtaga	50400
gactttgagt	tctgttacac	tgtattgtca	gttgttttcc	ttcaggtaaa	gctcactttg	50460
tacaatagct	ttttatagat	tccatcagat	tttgtacct	gagggctctc	catcttttga	50520
tacagtttaa	tttcttactt	tacaatctag	atgctttttg	tttcttttcc	ttgccctgtt	50580
gcattagcta	gcacttcagt	gcagatgttg	aatagaagta	gtgagagcag	acatctttgc	50640
tttgttccta	atctcaggaa	gaaaacattt	agtttttaca	acacatttat	taaatgtgtt	50700
gttagctgtg	aggttttttg	tagatatcct	ttatggagtt	aaagttgcct	tctattcctg	50760
ttttgctgag	agttttgttt	tcaggaatgt	atgttggatt	ttgttcaaaa	tattttctaa	50820
ttatcctttt	ggtttattct	ttgtccatg	ggttatttag	gagtgcatta	attccaaata	50880
tttggaactt	tctagatata	ttactgctat	ttacttataa	tttaattcca	ttttggtcag	50940
ataatatact	gtaatatatt	gatcttttga	aatttgttgg	ccaggcacag	tggctcatgc	51000
ctgtaatccc	aacattttgg	gagcccaagg	cagacggatt	gcttgagcct	aggagtttga	51060
gaccagcctg	ggcaacatgg	caaaaccctg	tctctacaaa	aaaatacaaa	aattagtcgg	51120
gcatggtggc	acacgcctat	agtcccagct	actgtggagg	ctgaggtggg	aggatcactg	51180
agcccaggga	ggtcgaggct	gcaatgtgct	gtgattgcac	cactgcactc	cagcctggat	51240
gacagagtga	gaccatgtat	caaaaataca	taataaaaat	gaaatttggt	aaggtgtggt	51300
ttatggccca	gtgcatagtc	tatcttctga	atgtttcctt	tgacttgaa	gagaacgtat	51360
attctgtagc	tatataaggt	agtgttttat	aaaagtcagt	gaggtcaagg	tgttttagatc	51420
ttagatcgcc	tgtattctgg	gttttttggt	tttgtatttt	tctatcagtt	actatcaatt	51480
gtggattttt	tgttttagct	ggtttatttt	gtttttcaac	tctaaaattt	ccatttaata	51540
gcttacattt	ctctgctgag	atttcccatc	tgttcattat	gagacatttt	cctcttcttg	51600
aaaatattta	tgatatgtaa	ttagtgcctt	gaagtccctg	ctgctaattg	caacatttga	51660
ttcaccacag	gattggtttc	tattgacagc	tttttcttca	gtgtgtatta	cattttcctg	51720
tttattttacc	tgtctggtca	cttttttaaa	ttgttactac	gcatcatgaa	tgatacactg	51780
tagagacttt	gagttctgtt	acactgtatt	cctcttaagt	gtgttagttt	ttattctagc	51840
aggtagttaa	catagctgaa	ctccaaactg	tctcctttgc	agtggaccgc	agctacaatc	51900

ctgcacatgt	gtcattttaac	agttagccaa	ggatttgact	agggtttgta	tgtagatttt	52020
gaggttcatc	tctttttag	ttccttctct	tccaagattt	cccccta	ttcctagctg	52080
ttctgcccac	tttgcaactaa	ttcctcaagc	cagtaagcct	gtggctttct	gccttcacga	52140
gccatgctgt	ttgggaagtt	gccctccagc	aaatctcttt	tcacatatag	acttcaccca	52200
gttcatactt	acttttggtc	actcttccac	accttcaaat	acctattttt	tttggtttgt	52260
ctagggtttta	tagttgctaa	ctgaggatag	gttagtctgt	tcgggttact	ctgcaatgtc	52320
tagaatctgt	ctccccacat	tatatggggc	taaggcggtg	tcttctgtcc	ctcggggtgc	52380
cgtcaaaatc	caacagccag	gtgtgggtgc	gtgtgtctgt	agtaccagct	attttgggag	52440
ctgaggcagg	aagatcgctt	gaaccaggga	gtttaagtc	aggctaggca	acatagtagg	52500
acccaactc	cagaataaaa	aaatttaagg	ctcttctttc	tgtattggc	agatatctat	52560
aagttgactg	tagttcctca	tcttggcaga	tatctttagg	gtagctgtgg	ttacaggcta	52620
gcttactagt	tccgtttgca	gttcaactgta	tgtaggcttt	ttggtagaag	gaggattttt	52680
cagaacactc	atttgccata	catacagcca	gaagtagatc	tttttatagc	acaaccctac	52740
agatgttccc	tgtaccgag	tttttgtttt	ttgtttttta	atttttggac	ccaaaactta	52800
gaattctccc	tgacctagtt	ttttttacta	gtatttaatt	tgtcttcatt	tttctcagtt	52860
gcttttttcc	acttcttggt	ctgattttat	cctagatttc	ttctcttatt	tccctttgtc	52920
acccttgctt	tctttttggt	attcatcttt	catcatcttt	tctagttttg	tctcttttcg	52980
gctgtgtgca	agggaaatatt	tccggaacag	atacatagta	tctgttgga	aaacccataa	53040
gataattacc	cagcctctct	taattgaaag	agaaacgggg	cgggtgcgg	tggtcatgc	53100
ctataatctc	agcactttgg	gaggccgagg	cgggcagatc	acgaggtcag	gagattgaga	53160
ccatcctggc	taacatggtg	aaacctcgtc	tctactaaaa	aaaatacaaa	aaattagctg	53220
ggcgtgggtg	cgggcgcctg	tagtcccagc	tgtcgggaag	gctgaggcag	gagaatggtg	53280
tgaacccggg	aagcggagct	tgcagtgagc	cgagatcggt	ccactgcact	ccagcctggg	53340
caacagagca	agactccgtc	tcaaaaaaaaa	gagaaactga	ggcccaataa	ataagcagtt	53400
tgccatagagt	catgcaattt	ccctgagaaa	gctggaatta	gaactctgcg	ttcctgattc	53460
tctgggtccaa	agctctttcc	actgtgagtt	ctcctgcaat	ttgttttctg	attctgctta	53520
ggattttgggt	tttgtttatc	atatgtcctt	tgtattatca	tattagtgtg	actctcttaa	53580
gaccttattt	ccaaggtaaa	aaacagtggt	ttccttgggt	ctttggaata	ccatccatgc	53640
ttctaaggtt	ggagaggatg	ccatttataa	taagcttccc	tctctttttt	tttgagacgg	53700
aatttcgctc	ttgttgctca	ggctggagtg	caaaatggca	cgatcttggc	tcactggaac	53760
ctccgcctcc	taggttcaag	caattctctt	gcctcagcct	cccagtagtc	tgggattaca	53820
ggcgtgagca	ccacgcccag	ctaatttttg	tatttttagt	agagacaggg	tttcaccatg	53880
ttggccaggc	tgggtctcgaa	cttctcatct	cagggtgattc	acctgcctcg	gcctcccaaa	53940
gtgctgggat	tacaggcggtg	agccaccatg	tccggccaag	cttcccttct	taaagccctc	54000
tgttactcac	tccactcatc	ccttaaggga	aagtcttagc	atacatgtta	taagtgtgag	54060
cagctaggta	gtaggtacta	gggatttccat	gattaaagag	agatagcccc	tgagcccagg	54120
agctcacttt	caatctagaa	tagaagacag	acagtttcaa	cgctgtttgg	ttagtgttac	54180
tatagaagat	tttcaagatg	ttttgggagc	acaaagggaag	agtaagtgtg	gccttaggag	54240
gatgtgagtg	atcaggaagt	gcttcctaac	ggatgaaatg	tgggagctga	gttttaaggg	54300
atgttggttaa	ccagccaaga	taagaaggaa	aggaaggata	ttaaagggaag	agggtcctat	54360
atgtgcagag	tcataaggct	atgagacacc	atgggtgttac	cagggtgggtg	gggtccctaa	54420
gtaatttgct	gttggtggat	agcataaagc	gtgagatgga	tgagagaggt	tggcagaccg	54480
tgatcacaga	aggccctgga	agcctatctg	aggagcttgg	tcttcaccct	agaggtaaag	54540
gggagacacg	gaaggattaa	aaacagctct	gcatttttaga	tagacaaatc	cattatagca	54600
gtaatatgaa	ggatttgaaa	ggtacaagat	tgggaagtaga	acagatacaa	ggcttttgca	54660
gtagctcagg	ctgaaagtaa	tgagtgtctg	aactacgact	tgcaggcagt	ggtagtaagg	54720
atgggttagta	agagaatagg	aagtggggat	gtggtcaggg	gtgagctggg	gggacctgtt	54780
tgtgtatttg	gggaagagga	aggaggatgc	attggatttg	gcaacaggga	atgtcagtgga	54840
tgacctgaaa	gggctagttc	cgttgtgtag	tgaacaatg	gccaggttct	aatgtattaa	54900
ggagtgaatg	aaaagtggag	aaacaaatag	tgaatacagg	ctttttaaga	agtttagata	54960
agaagaccaa	gagaatgcat	ggtaattaaa	gggatttgag	gtccactcac	tacctccttg	55020
aaattcaccc	ctgtattggt	ttccatgaca	ccctactcct	ggttcttttc	tctgatcatt	55080
cttggccacc	tttgcaaaact	cctcttcctc	tgtgcacctc	ttaagtcttt	cccagggtc	55140
catccataat	ttttagctgt	tctcactcta	tgtgtcctct	ctggctgatt	cttacctagt	55200
catgtttttca	actatgacct	atatgtacat	gattttccaa	tcagtatttg	catcttgggtc	55260
tgggtatttt	agctgtttgt	tggatttctc	tatttgattta	gacttgagag	atttcaaatg	55320
cattgtatttc	aaagctgaac	tcatcagctt	ctactgta			

gtcttactaa	ttttgcctcc	tgtgtcttct	ctcttccgtc	cctctttatc	attgccttca	55500
tcactctgtt	cctggaccat	tgcaagtatt	ttcctgcccc	agatcccctc	cagagtgate	55560
tctttgaaat	gcagtttaag	ttcttgcttt	aaacccatcg	tttctggatg	aaatctaagc	55620
tttttaccat	ggcctacgca	gctcattatg	cattggcctc	tgcgcccttc	caactttgac	55680
tcattggctg	tccctttgtc	atacttcagg	ttccagccat	accagtttgc	ctttggtttg	55740
ctgcacatac	caggccactt	cttatttccg	tgccctttgt	cttgttgctc	attctgttct	55800
gaaatgacct	ccagaccctt	tctggccctt	ccatccccag	tgctgtagtt	aacacagagc	55860
ctttactgat	cattcttgcc	caaccctcat	gtcacctttt	tatcatacct	cccccaagct	55920
gattaagata	cccattctgt	ttccatgaca	ccccatgcgt	atttctacca	gagtttatgc	55980
tgttctttta	atttattttg	ttaaagtgtc	ctctcttcca	ctagtctggg	agttcatcag	56040
gacaggtgct	gtgtcatact	cattttcatg	tagtgtctac	catggtacct	agtatataat	56100
gaaaattcaa	taaatgtttg	tgtaatgaat	ggataaaaata	taagatgtgg	acatcagctg	56160
agagagaacc	aggcttttag	agtggcaaac	gtttgaaata	gctgtcagag	tgggggaagg	56220
gtgtgaacaa	ggactaagaa	aaggatgaat	gatataattt	gtccctttga	ttctattgca	56280
tatgccttaa	atattttctt	ttcttttttg	ttcttttctt	tctttttttt	tttttttttt	56340
ttgagacaga	gtctctgtca	cccaggtctg	agtgcagtgg	cacgatctcc	gctcactgca	56400
acctctgctg	tccaggttca	agcgattctc	ctgcgtcagc	ctcccgaata	gctggattac	56460
aggcacctgc	cactgcacct	ggctaatttt	tgtattgtta	gtagagacag	ggtttcacca	56520
tattaggcag	gctgggtctg	aatgcctgac	ctcgtgatct	acccgccttg	gcctcccaaa	56580
gtgctgggat	tacaggcggt	agccgcctg	cccggccatg	cctaaaatat	tttcatatga	56640
ctccttactt	tccccctttt	tcattatatt	gtgaactctt	ccctttcttt	tgaacaaat	56700
gcccccttca	gggttctagc	tgaatagtat	gtctcttttg	attgcagatc	caatggattt	56760
gaacagaagc	gctttgccag	gcttgcagc	aagaaggcag	tggaggaaact	tgctacaaaa	56820
tggagtgttg	aggatatgta	actttcctga	ggctgtgggg	gtggctgggc	tgtggtagt	56880
ggcataggca	gcgagatata	cagtggtaac	agttgtctgt	gctaataatt	ggagcccaca	56940
cagaccagca	acttggtgaa	tgccagtttt	gaccacagaa	gaatattcga	gacctgatgt	57000
ttggactgag	gtacctgtac	ttcttgggtg	tgacagcacc	ggctgttgct	ggctttcaga	57060
ggaagcattg	atttctcatt	gaccagggtt	tgttcttggg	agggtttttc	tttttctttt	57120
ttaaataaac	atgtatttat	ttttttaaaa	ttatcttctt	aactgggtat	tctgttttgg	57180
gaagaataca	ggctaataat	gaacctgtgg	ggattttggg	ggtgggtggt	gaatttttca	57240
ctaactctaga	aagcagtgtg	agtaaaaaat	ttcttagtga	tagatccttc	ctctgagaaa	57300
acaggaatta	gtactaaact	agactcagga	atagacacac	agataatttg	agacatggtg	57360
tatgataaag	atagtgtcac	aagttagtag	ggaagagatg	gataaatagt	ctcagaaaaat	57420
tggcttatta	tatggacaaa	aataaaagtg	aacctctata	ccatataaaa	caaaaatccc	57480
aaagtgatta	aagacctaaa	tgaagataaa	cgtgatatac	agctagtagg	aacaaatggc	57540
aaatgttttt	gtgccttggg	gtaaagataa	atttcttaaa	taagatccca	aagcacaatg	57600
cataagattt	gatagctttg	attactttgt	aattaaaagg	ttctatttag	caaagcatcc	57660
catagtcaaa	gctaaagatg	gatacggatt	aggagaaaaat	atttgcagt	tctaaaactg	57720
acaaggattg	catatacaag	ggatagaata	tagaaagagc	ttctgcaaat	catgaagaaa	57780
aagacagatg	aaataaaaaat	atgcaaaaaat	atgaataagg	aaaatctaaa	gagaaaacca	57840
gagtggctca	taagtataat	acctcacatg	taattacaga	tacgctaatt	aaaacactga	57900
gtttctacct	tacatcttag	tttggcaaaa	ataagcaaga	gactgatctg	atgggggaatc	57960
agaactcatg	gaatattttc	tcttcttttc	ttttctcttt	tcttctcttt	cttttttttt	58020
ttttttttta	aaagacagag	tcttactctg	tcattccagg	tggaagtgcag	tggtgcctct	58080
gcctcccagg	ttcaagcaat	cctcccacct	cagcctcctg	agtagccagg	actgtaggca	58140
tgcgctacac	aattttttgt	tttttagtag	agatgggggt	tcaccatggt	ggccaggctg	58200
atctcgtact	cctgacctca	ggtgatccgc	ccgccttgct	ctcccaaagt	gctgggatta	58260
caggcatgaa	ccactgtgcc	cggctacatg	gaatatttca	gctgggtgat	tcatttttga	58320
gaacaaatga	atgaaactta	ctgaaatcaa	gtaataccta	gggagcgata	ttgcagtttt	58380
taatatgttg	gctctggagc	tatactgcct	gaatttgaat	cccagctatg	tcgttttgcta	58440
gctgtgtaac	ctttgggtaag	ccagttaact	tctctatgcc	ttagtttttt	cgtctgtgaa	58500
atagacataa	tagtacctac	ctcataggtt	tattgtaagc	ttagaacaat	gcctggcaca	58560
cagtagtgtc	acagaattat	tagctgttat	tattatcatt	gtcatcatta	tcataagta	58620
gggcagccag	cttccacgat	ggcccctaata	gatctctgcc	ctctgggtata	taaacccttg	58680
tatagtcccc	tcccacaata	aataagggtg	acctgtgtga	ccaataggat	gtactagaaa	58740
tgtgtgactt	acgaaggtag	gtcataaaaag	gtattaaaaat	atctgccttg	tgctatcttg	58800
gaccccttgc	ctggaggatg	ccagcttcca	tatcatgagg	acactcaagc	agccctctgg	58860
agaggccccag	gtagagaagc	tctgaggcct	ctcaccaaca	gccagcacca	aattgccttc	58920

tgtaggagtg	aatcaccttg	gaagtgcac	cgccagctct	actcaagccc	tccctcaggc	58980
ttgcagccct	gatcgacctc	gtgagagatc	ctgaccacga	acatccagct	ccagattctt	59040
gaaccaaaga	aactctgaga	taataaatgt	ttagtattta	tttattttatt	tgagggtggag	59100
tcttactctg	tttcccaggc	tggagtgcag	tgggtgtgatc	ttgggtcacc	acaacctctg	59160
cctcccgggt	tcaagcaatt	ctcctgcctc	agccaccgga	gtagctggga	ctacagggtgc	59220
ccatgcccgag	ctaattttttg	tatttttttagt	agagggtgggg	tttctactatg	ttggccaggc	59280
tgggtcttgaa	ctcctgacct	cgtgatctgc	ccacctcggc	ctcccaaagt	gctgggatta	59340
caggcatatg	ccactgcgcc	tggccatggt	tagtattttt	taaaaactgc	tttatttgaga	59400
tataatttag	atactacaca	attcaccacc	ttaaggtgta	tgattcagtg	gcttgaataa	59460
tatcacagag	ttatgcaacc	atcaccacat	ttaatttttaa	aacatttttta	tcatctttgtg	59520
ggtacaagaa	accttgtacc	catttagcagt	cactccccac	tttcccctaa	cttctccagc	59580
cttaggcaaa	cactaatcta	ctttctgcct	gtatagtttg	cccgttctgg	actttcatat	59640
attaataaga	tatgagttag	actgtcatat	aataatttggc	ctttttgtgtc	tggcttttttg	59700
tgccttagcat	aatgttttca	aggttcaccc	atgttgtaat	atgtatcagc	cctacattcc	59760
tttttaaggc	tgaataatat	tcccttgtgc	ggatatacca	catttttattt	atgcatcatt	59820
tgatgggcat	tgcagttggt	tccactgttt	gggtattatg	aataatgctg	ctgtgaacaa	59880
ttcatgtata	agttttttgta	tggagtata	ttttcttttt	tatattccta	gggggtggata	59940
tattcttagg	agtgaatttg	ctgggtcata	tgttaactcca	tgtttaactt	tttgaggaaac	60000
tgccaaactt	attccaaaga	aatgtatgcg	cgttccaatt	tctccacatg	cttgccaaca	60060
cttattattt	gtctttttga	ttatagccat	ccctgatgggt	gggagggtggt	atatcattat	60120
ggttttgatt	tgcattttcc	tgggtggctag	tgatgttgag	catctttata	tatctttttg	60180
agaaatcttt	attcaaattcc	tttgcccatt	tttcatttgg	gttattgggt	atatatacac	60240
atacacaggc	actctcttac	gtaaagggtt	ctttatatat	atcttggtta	taagtccttt	60300
actagataca	tgatttgcaa	atacttttct	cattctatgg	gttggtattg	ttttaagctg	60360
ctcaagcatt	tagggaagga	agtttgcatt	tagggtaggt	aagcaacagc	agttacagtt	60420
ataaccataa	caattgttat	acagcaacag	ataactaata	ctttatgtac	atacttcaa	60480
gtagttccac	tccctggctat	atccttccga	gaaatttgca	taaactcctg	aggagtagat	60540
acaaggatgt	ttttctatgt	ataggttggg	tggcaagaa	ttggaaaaaa	cttagatgtc	60600
catcactaag	gaaattgata	agtaaaatgt	ggatatatgca	tataatggag	tttttttttt	60660
aagtcaaagt	caagctgtta	ggaatttcgt	gaaatggtag	acttcaagtg	aaaaaataag	60720
gaacagttaa	atttaaagca	aaaatcagct	atataaacac	atgaagtgat	attattttat	60780
aaggaggata	tacaccttaa	tcagtagaat	aggtttgtgg	gagggaaacag	aatgagacta	60840
gaatggagaa	tgaagcgggg	aaaggggaagc	aaagagggct	ttgcatggat	gaaagtgatc	60900
gtgtatcatg	aactcaggcc	tgtgataact	cagttctgtg	cacctgaagc	cctaagtgca	60960
gctccagaag	caaggctctgg	tttcatggaa	ttgacattta	gtacccatat	tagttagggt	61020
agactaaact	gctaaagcag	actccaaaata	gacatgtgtt	tccccctgc	tcactcgtgt	61080
aacatgcagg	tcgtttccag	ttgagaaagt	aggagtgaga	tactctatga	agttgtttag	61140
ggatcaggct	gatgccagct	tcactatggc	ttccaagggt	gtgttgggca	ttaccatttt	61200
agtgagttga	gcagaacgtg	aaggattgct	tggcagatgt	taccggctag	ctctagaagc	61260
ggcacacact	tctactcata	ttctgttgggt	aagaacctag	tcacaaggct	ccctcttaat	61320
gcaaaggagc	ccgaggcata	taatatgcat	caggaagaag	ggataaatgg	atgttgttgg	61380
acacataaca	tattatcttt	gccacattat	atacttctca	gacttgtaaa	gaaaggctgt	61440
ccatccccca	gccatttgag	acatacatag	atttttaa	agttttgaga	cctgaaaatc	61500
ccgaagggag	tatcagttgg	ggtcactacc	aagttaggga	tgtctcttcc	ctaactctgg	61560
ccagtgattg	tcagagaagg	gcttaggtag	ggagataaaa	tgtaaactgg	aattgtgtcg	61620
agaatcagca	tttatgagat	ggaagtactt	tatttatttt	tacagctcag	atcttgcgtg	61680
gttgcccagg	ctggagtgct	atggcatgct	tgaacttgt	gggctgtgat	cctactgtct	61740
cgcttccca	aggtggcaga	ggaggcattc	aactcctagc	tcattgtcac	acccttctg	61800
cacagctagg	ttttgtttct	gtatgggttc	gggttttaac	ttcatttttg	tgggaccctc	61860
acgctgtttc	ttaggaacac	ctcactctta	agaggctcag	aggctttaga	aatctgaaat	61920
cacttttttt	cccttaacaa	aggaatgtat	tatttatttt	tttattcatt	ttttattttt	61980
ttgagaccga	gtctcgctct	gtcgcttagg	ctggagtgc	gtggcacgat	ctcggtcac	62040
tgcgacctcc	acctcctggg	ttcaagcaat	tctgcctcag	tcttccgagt	agctgagatt	62100
acaggcatgc	gcagggaatgt	attattttatt	tttaagcaga	gattaagggtg	taggggaaagc	62160
agttagattc	tgtttcagggt	gagctctatg	tttagtaggc	attagtgaac	atttaaaaac	62220
tccaccacct	ccaatttctc	tgcttgaag	tgtgagaaca	cagcacatct	tgtagggcag	62280
agatcgcaag	cctgtccagt	ccctagctga	ctgtcatttc	ctaggctgtc	tactagaggg	62340
cagtgtgata	tgccttttct</					

tataatgtagg	ccttagatctc	agaacataaat	cctgttttcca	atatggaaaa	gatttttcaag	62460
agagagacct	agtattttagg	ttttgaccag	aatctccctt	acttgggctt	tggaaacctt	62520
tctctacgtg	gaagattttt	tttttccttt	taatcaaate	tcctttcttg	cgcctcctcc	62580
acttttcaagt	ttagacttaa	gaagccatga	gcaatgtgaa	aaacctctga	attgtacatt	62640
ttaaaagggg	gaacttttatg	gtatgataat	tatatctgaa	tttaaaaaata	ttaaaacagg	62700
ccgggaatgg	tagtgcattc	ctgtaattcc	agctactcaa	gaggccaagt	gggaggatca	62760
cttaagcaca	ggagttcagg	accagcctgg	acaatgagac	cccactctca	tgaataaat	62820
aaaaatttaa	aaatgtaaaa	acaacaaaaa	agaagaatca	ctgagcagac	actctggctc	62880
agatagaata	taatagtagt	aatagacgta	gtaataagact	ggaatgactc	agtcctctct	62940
ttatctctcc	tgaatgattc	aaacttgatg	gtgttgatct	tggccttata	cagcttcacc	63000
ctttcagaaa	acaaggggtac	gtgggcgatc	ttgggtgtag	gttgatactc	aggcagtacc	63060
tgtgaaccca	cccccttggg	aggggacaga	gagcagctctg	ctgaaaaagg	agtcagtcct	63120
tcctctcgca	tatcacatcc	agcgccctct	gtcagctaag	gaattacaaa	gtgtgtgact	63180
ttatcctgtc	acacgtaaaa	atgcaatctc	tagtgcttag	taaacagggc	ctgttttctt	63240
tattttcctt	ttagtaggag	aggaagcaat	tgtgcagaga	ggttaacttg	ctcaaaatcg	63300
ctctgagttg	ggaaagagtc	agaattttaa	caacagattc	ctctccctgc	agttgtcacc	63360
cccacctatc	ttcactccag	tagcaaggta	agaggtgagg	gggcagtcca	agggactgtt	63420
tctgtctcag	agcagtttctt	accaggggtt	ctcatagcct	ctgcaaggag	gtcctagtgt	63480
acctgaagct	gagttcccca	gtcctggaag	aactgcttgc	tggtagtttc	agtttggaac	63540
tcggctttga	agatcctaac	caagtgtgtt	agagggggcac	gtgcccttga	ctcgtgtgtg	63600
tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtt	ttgagacagt	ttcattctgt	caccagggct	63660
ggagtacagt	ggcgcgatct	cagctcactg	taacctctgc	ctcctggggt	caggcaattc	63720
ttgtgcctca	gcctccccag	tagctgggat	tacagatgtg	cgccaccaca	cccagctgat	63780
ttttgtattt	tcagtagaga	ccgggtttca	ccatgttggt	caggctgggtc	tcaaactcct	63840
gatctcaggt	gatccgcca	ccttgccctc	caaagtgttg	ggattatagg	cgtgagccac	63900
tgcgccctggc	cccttgtctc	tttttgccag	gggcttggga	ggtggtagac	aagacctctg	63960
ggaagagagg	aatgcctgtc	tgggaaaaaa	attattgttt	taattgctct	ctttcattaa	64020
gtacttactg	tgtctcaaat	gtgtatgttc	agtgcgtagt	tacattacct	ctgttgtcag	64080
ggagagatca	gtctgtgaat	ggttgtagat	tagggagagc	cacatttctg	ggtctcccaa	64140
gaaaaggggg	gttgggatat	cccagcagga	taaactcttc	cttgttttcc	cccatacatc	64200
ctgaagttat	aggaccttca	tgctgattac	ttgttgacag	agagcttggg	cactttaccc	64260
tggtcactgt	gtcccatca	aatttgacag	tgctgttgcc	accaggatg	gccgtctcct	64320
gctttggcca	gctcagctct	tcatgcagat	taagtagtgg	gctgccagcc	gggggcagtt	64380
tccttctgca	catgctggat	atgtttgctg	cccggggtaa	aaataatgct	gcaggatgga	64440
gccatgccaa	ggggcttcag	gtggtatatta	acatctcctg	gggctatttc	ctcctgggct	64500
tccaactgct	gaaaagcagc	tccttctctg	tgtctccccc	agtgggaagt	tcagttttgtg	64560
gggggttgag	ggggggcgag	ggggggctct	tctgaccttc	ccttcattaa	tggggcttag	64620
taggggaagt	cagtggtggt	cagctctcta	gagtgagagg	tcataaaaaa	gtagtcctag	64680
ttacctcta	tcaagttact	taacttctct	gagccacagt	ttccttattt	atttattttt	64740
tgtttttttt	tttgatacag	agtctcgctc	ttgtccctca	ggctggagtg	cagtggcgca	64800
atctcagctc	actgcaacct	ccgcctcccg	ggttcaagtg	attctcctgc	ctcagcctcc	64860
tgagtagctg	ggattacagg	ctcctgccac	catgcccggc	taatttttgt	atttttaata	64920
gagacgggg	ttcaccatgt	tggccaggct	ggtctcgaac	tcctgacctc	aggtgatcca	64980
cccaccttgg	cctcccaaag	tgctgggatt	acaggcgtga	gccactgcac	ctggccacac	65040
aattttcctta	tttgtaaaa	cagggttaata	cctccctttc	tggttattga	gaggatctga	65100
aataaagtta	tctagcatag	tgtctggcat	gtagtaggtg	cttaataaat	agtttcttaa	65160
aatagatact	taaagagcat	gtctgtgcc	tcagtgccac	atgtcccagt	ctctgttgat	65220
ccttctcttg	tcttattcct	ggctttacct	gaacaccagg	gtcacagttc	tctggctgtg	65280
tttgagagagc	cagtgctctct	tgctgggtgg	gattgagggg	tgtactattt	gaagaagagt	65340
agtcaaacag	gtggggatct	tctgtccctt	ggagaggggg	tgtctagagg	cgggggagaa	65400
gtgattggct	tgttccagtg	attcttgctt	gtctcatggg	agccttctat	taccatttgc	65460
cccttgctcag	gggagagggtg	ggtgctgggtg	gtgggtgtcca	gacaggaccc	agtttgaatt	65520
tatttggaagc	tggggacata	agaactagtg	gtgggggtgg	ggaggggtga	ggagttctct	65580
gcattttaaca	tttaagggca	tgtggaattt	caaaagcagt	tttcaccagc	atttcatgtt	65640
tgtttggttg	tttcttttgc	ctttgagcat	agtgctgggt	gggggcaggg	tgggttatga	65700
tgaagatagt	cagtggtgga	ctcctgcata	ggtgggtgga	actccatata	ggaaaacaca	65760
ttaccgctgg	gcttagtgcg	gttgtctacgg				

tcccaagct	gcaaggctgt	gtccatgaga	ccttgaggaa	gcccctccag	ttcctcagtg	65940
ggagggaaga	aggttgccct	tctgcactgg	ctgtgttttg	acagaagtaa	aactcctgac	66000
tcagccttca	aagttcaagg	gtgggatatt	gggagaggat	gagcagcttt	ttggccttgt	66060
aagaaagtca	cgtttttggc	cagtataaag	tggaggaggc	agagtggggt	gaggtgtgtg	66120
ggagtccctgt	gggatggaga	aagcagtcctg	ccaagggcca	tgttacctgt	gggtgatgca	66180
gagaggctgt	ggtcataatg	gggagcaggt	agtgagaact	ctgtggggag	ggctgtgttt	66240
gaaccactga	ggtctgagca	gggcccaggg	caggaagcgt	cctgtgttct	ctgcctatcc	66300
accctgcatt	aaagggaggg	aagcagagag	caggagctct	ggggacaggg	aggggagtga	66360
gagggggatg	ccaggtagtg	ggtgactaga	ggactcttat	ccacagcttc	agagcacaca	66420
gagatggctg	aaggatgccca	ctttaagtga	taccttctgg	tcagtctggc	agtagcttct	66480
gtgctcagca	ccatcttctg	tccccagct	tttgaggggg	cacctatgct	ttggcaaatg	66540
gactttgggt	ctgaggtttg	gtgtcttagg	ttgcctcaag	cctgcactgg	ttttgggaga	66600
ggaggtagag	gcagctgtgt	ccccacaat	agatgactgt	ggccagcagc	taagggaagg	66660
gtccaactct	ggatctccac	cgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	tgtgtgtgtg	66720
tgtgtgcccc	agctctggcc	ctgcagatgt	ctatcttttc	ctgccctcat	ctctgcttcc	66780
cacaccaccc	ccccaccac	gtgcacacac	caggtgttgt	cctgagacct	gagacagagg	66840
ggtgagctgc	atctttgtcag	ctgtgtagat	ctgccagtag	ctctacagtg	gctccctttc	66900
agaattctgga	atcacaaaat	aagaatctca	gagttggaag	ataccttaaa	gggcttctag	66960
ttattccacc	ttccccatc	caattagtgt	gtaagtattt	ccatcagttc	actagctcaa	67020
ctgctgttcc	cctctagtac	catggaaatg	cagtgttaat	tcgattaatc	ctagaatcaa	67080
agttggaaaag	agccttcgac	aagagctaatt	cctcacactc	accccagtg	caggatcccc	67140
tggcaaaaaca	catttatgtg	atgtgccgtt	ccactcacat	ttgaacatat	gtattccatt	67200
cctgagcaac	tctagctttt	ttccagttgt	ctttcccat	ggcttcacca	tttgtctgaa	67260
ttatccaact	tggggcttat	ataaaaaaaa	gactaactcc	tttctatctg	acacaatttt	67320
agatgtgttg	ggataaaattt	ttctccctgt	gccctacctg	tttcccttcc	tggggccaca	67380
gcattaagct	aataggagga	gagtcctgca	ttaaaactta	tacaggaaaag	gaagcagaca	67440
atctttttaca	taataaggta	gtaggaaatt	aatcttcata	cacggagttt	tatttttgaa	67500
attattatat	tcttatttgt	ataaatgtat	ggaatagagg	tgcaattttg	ttccatgcac	67560
agcttgtgta	gtggtgaatt	cagggtttt	aggatatcca	tcacttgcat	aatgtacata	67620
aggcccatga	agtaatttct	catcattcac	ccccctcca	ccctctcacc	cttccaagtc	67680
tccatttgtct	atcattccat	gctcttatgt	ccatgtgtac	acattattat	tattttttga	67740
gacagagtcc	cacttagtca	cccaggctgg	agtgcagtgg	cgcgatctca	gctcactgca	67800
ccctccacct	cctgggttca	agcgattctc	ttgcctcagc	ctcccagata	gctgggatta	67860
caagcaaaca	ccaccatgcc	tggctaattt	tttttttttt	taatactttt	attagagaca	67920
gggtttttg	ttgttggcct	ggctggctct	gaactcctga	cctcaggtga	cctacctgcc	67980
tcagcctccc	aaagtttgtg	gattacaggt	atgagccacc	gtgccaggg	tgtacgcatt	68040
atttagcccc	cacttacaag	agaggacatg	caatatatgt	ctttctgtgt	ctgattttgt	68100
ttcacttaag	ataatggcct	ccagttccat	ccatgttgtc	gcaaaagacc	atgatttcat	68160
tcttttttta	tggccgaata	gtattccatt	gtgtatatat	actacagttt	ctttatccaa	68220
tcatccattg	atggccactt	agattgaggt	tgattctata	tttttgctat	tgtgaacagt	68280
gctgtgatag	acatatgagc	acacacagaa	ggtttaatgg	tgttcatgga	cacctccctc	68340
agagggcctc	atccttctcc	tctaccctca	gttcaacagc	agaaccaagc	gtgacaacct	68400
gtgccagagg	ctgacaccag	agggagaggc	aggaggaaaa	ggatgcagga	ccctagaaga	68460
gccataatgt	tgccattaga	agaaagctgc	tgggcccac	tgactttttt	tttccccccag	68520
tttcttcaac	catccttttt	aatgcatgat	ttcgagtctc	acactgactt	ctctgaactc	68580
attccagttg	gagttagctg	ggccataatg	ttcaaagtgt	gctgatcaga	gtacaatggg	68640
tatcacttcc	ctcagtgtag	acattatg	tgtgtgtatg	tgtgtgttta	tatgtatagt	68700
gtaacctcaa	actcctgggc	tcaagagatc	cttcttgcc	cagcctcctg	atgagctgag	68760
actataggtg	tgcaccacca	tgcttggtca	aattttaaat	attttgtaga	gatgggggtc	68820
acgctatgtt	gcccaggctg	gtctcgaact	cctgggctcc	ctctcacctc	agcctgccaa	68880
aatgttggga	ttacaggcat	gagccaccac	actcagctag	atattctatt	taatttaacta	68940
attaattaat	tttttttagtg	ggttaaggag	tggaaacgtt	aatagacaga	agaaagcaga	69000
gaggagagca	gttccttgtg	aaggagagag	agatgtctga	aaaaaggcct	agatagatat	69060
tctattttaa	tcagtgtatt	taagattgga	ttagctttct	tttttttttt	tttttttttt	69120
tttttttttt	tttttttgaga	tggagtctca	ctctgtgtgc	ccaggttggg	gtgcaatggc	69180
acaactcag	ctcactgcaa	cctctgcctc	ccaggttcaa	gccattatct	tggctcagcc	69240
ccctgtgtag	ctgggattac	aggcacctac	caccagcctc	ggctaatttt	tatatatttt	

tccaccgcgc	tcggtctccc	aaagtgtcgg	gattacaggt	gtgagctacc	atggctggcc	69420
tggattagct	ttcatggtga	ccacatcaca	ccacggattc	ccactgcact	atcgtcagaa	69480
gctcccggtg	ctcctttaca	catatcgtga	gaaaggagat	ggagccatgt	tgcattccatc	69540
tctttatttg	tgcagttggt	gttttggtgact	cagtatagtt	acctttaacc	tctagaaatc	69600
ctactttctt	gttcttctat	gctttctcag	catgaaagtg	gtaggatgct	aagctttgtt	69660
ctggtttttc	ttggtgcagg	agaggaggag	gccggaatgg	gggttacaac	ttgggcccgg	69720
ttatactcct	gaggctcaga	tgagcccggc	caacatggcc	tcatgctgga	gaggacttag	69780
cttctgagtc	aatttgaaaa	gtcttttaat	atgaattaaa	gagaaagtgt	gggtctggggg	69840
cagtggtcca	tgcattgtat	cctagtgtct	tgggaggctg	aggtgggtag	gttgcttgag	69900
cccaggagtt	tgagaccagc	ctgggcaaca	tagtgagacc	ttgtctctac	aataagttaa	69960
aaaattagct	gggcatggtg	gcaccacact	gtagcccag	ctacttgaga	ggctgaggtg	70020
gaaggatcac	ttgagtctgg	gaggttgagg	ctgcagtgag	ctgtgattga	gccactgcac	70080
tccagccagg	gtgacagagt	aagactctgt	ctcaaaaaaa	aaaaagtgtg	tggcaaagac	70140
aaaactacta	ttcaagcact	catctgaggt	gctaggagac	ccccgggctt	tgtggcaggg	70200
gctagaaggg	ccctgtctgc	ccagttatac	ttaggaactg	agaatttgaa	ctcttgctac	70260
tgctcccagg	acaggatctg	cttaccaatt	cagccatttt	ctgagttttc	atggcacttt	70320
gaggacagca	tttatcatac	tattttgtgc	gttgggagtt	cctatggcca	gaaactattt	70380
cttattcatt	ttcaaattccc	tagtccaaa	gccaaaggtat	tacacccca	aactaatagc	70440
tatcatttat	taagtactaa	cttaggcact	aaaattaggt	actctccata	tattaatctc	70500
acaacaaccc	aacaaggtta	atgctaatat	ttccatgttg	taggtgaaga	aactgaggct	70560
aaagaccaca	gctctaccaa	agcctctgct	ctttcttcaa	atgaatgagt	gagtcggggg	70620
cggttgctct	gagtgagagt	gggccagagt	gggttcaggg	cattcaggag	ccaccacagc	70680
tcattcgtgg	aggtgtctaa	tcagctatgc	taattgattg	tcgtgtctgc	aatatcagat	70740
gcatgcttaa	ttagcacatg	aactctcctg	tcagatattc	ctggaggggc	tctgccagcc	70800
aacctaggcc	cagccacagg	agcctgctgc	tttcttgtaa	acagggtggg	gaagcatgat	70860
gatcccagta	ttgacaagga	tcccctgaga	acaggaaggt	ccactgcttt	gtcgtgtggg	70920
aagcagattc	aggatgaagc	cctgtctaca	agatgtgtcc	agtctctctc	gctctgaggc	70980
ccttggttca	tcgacctctt	ccctacagcc	tttggaactt	gcaccactct	ttgaggcctc	71040
tgtgcttttt	tccaagctcc	tgtctctgcg	ctggtcttcc	tctcctagc	aaatccttat	71100
tcacccttaa	gggtccagct	caaatgtcac	ttcctttgtg	gagttcccc	tggcccccg	71160
gctaccgcga	gagtggcaga	atcaaagtct	tcctcttcag	acttgctcct	attgtacttg	71220
tacctacctg	actctaattg	gagtctcttc	aaattacagt	gtttttgacg	tgtttttctc	71280
ccccggccag	acttagggct	tattcaaggc	agagaccaca	gtcttcagca	tccggcacia	71340
agcccggcct	gtacaagaca	ctcagtacat	ttaatttggt	gaattaaact	gaatgctagg	71400
ttgaggttcc	actgcaggta	agaactgggc	aagtgtaaac	ttccagaact	cagcagctat	71460
ttattagtga	tatgcagatg	taggtagggc	atctttgaaa	tcttcccaag	gattctgtga	71520
tccttatttt	tccttttcac	aataatcttc	tctactttgg	gaaaaagggg	gataaaactc	71580
ccatttggcc	ccagcctggg	gagaatcttg	gcattaggct	ggggggccat	ggtgggagga	71640
agcatgggac	tggggcctaa	aggccatcaa	ccagactgca	agctgcctga	gtgcaggatg	71700
tgacttcccc	tcctccccc	acatatggcc	attgcttcac	ctggagtgc	ttgggactgg	71760
ggaatcaggg	gtgggcagca	gtgcaggaaa	acccatccgc	accagcctgg	ggctccctct	71820
tctcactacc	tcatgaggcc	ctgtggagtg	tggactgttg	ctgctgtcct	gatcccccaa	71880
atgccataac	tgctgacttc	tgatgtaaat	agtgtacatt	tgttttttac	tttgagctta	71940
atttgcatta	acttctctga	atgacagaca	tataggaatt	ccttgatttc	tatgacctca	72000
cttccacacc	acaaaaaacc	acagtggctc	ctatacctct	gtactcaggg	actcccaacc	72060
cagtggggca	gataccagtg	ggttttctgag	gagccctgca	tcaagcaggc	accagcccag	72120
gaggaaagca	tccaggaatc	ccactacccc	ggagcccact	gctctggcgt	ctctttcttg	72180
tctctcgggg	ttgtgcgggg	tgagggcactg	gggggtttgtg	aaatctcttc	gtgattttgt	72240
aattcaggct	agggagtcac	tcggagaaaa	gcgaatgaaa	agtagggtaa	aggggaaaga	72300
ggggctttgt	gacttaggtg	ggctttgcag	aaggacagga	agccacaccc	cgagccttac	72360
aaggcaagct	ggatggggct	gcccggtgc	aatggggatg	gaccgataca	gaccgctcag	72420
tgtagccacc	tgctggacac	atggagtcac	agcgttctgc	ttccttcacg	cttcctaccc	72480
tccagctgcg	cctgctcttc	tttcttccct	ctttctcctc	cttcgccta	gttcgcctcc	72540
ggccgcgata	cctgctttcc	ctcttccctc	aggtgtgact	accagatgc	atctgtcttg	72600
gccagggct	ggggactctg	aatttccctc	tttggtgatg	actgaaaggg	agcagctatc	72660
cctgggttag	gccagagaga	aggtcttttca	tctcatgtt	cagctctctc	acctctcgc	72720
ttggcttgct	gggactcctgc	ctgtggctgc	gattagaggc	cact		

acagctgtag	accagaattg	tcccggggcca	gcgggggactc	atggtaagca	tagttccgag	72900
ggtcgcggcg	ccttttcggc	cgtgcgtcag	gtgtggaagg	ctaaggcggc	cagcagaggc	72960
tgctgcggca	cttggtatgt	gcctcactat	ctaaaaagct	ccttttgcca	tgctgggact	73020
gtggtgggtg	aagttgggtg	tcgtacaggg	ctaaggcccc	ctgagtagtg	attgtaccag	73080
atttgctcac	ctgggcctgg	cgcacaatgg	gataagaaag	ccgcctgctt	cctctagtct	73140
gggtggggaga	cacagcccaa	agtcccaggg	cctaccttct	cagaaactcc	ccatcatcct	73200
ggattggact	gtgcctttcc	tgaattctga	cacttcttgt	tcctgccccct	tcaggcaaaag	73260
actgggcaag	cagtttccta	gcactgccag	ctctgaggct	gggtgcctttc	tgggtggatt	73320
attggccttc	ctggatacat	tggcaggagg	actcatgggt	cggcccccagg	atgccctggc	73380
cagaggggac	ccaaggaatg	cctgacagtt	tctctgcctg	acttgcaggg	gggaattcag	73440
accagccttg	gagtcctgtg	aaggggaagg	gctcctggaa	tcttctagcc	ctccttcctc	73500
tcacccagtt	ctaactctgg	cagaaagacc	tcatttcctc	ttccccatgt	gggagacttt	73560
ccctcccttg	acccctcttg	cagttgggag	accttgatcc	ttgtgggagg	aaggggttgc	73620
tgtaccagga	tggggtccct	ccgctccctt	ggccagggga	agcatgacct	gctgagctgg	73680
agtctggccc	cgcaagctgt	tgtggcctga	cctgtagttg	cttgcccagt	accagccctt	73740
ctctcccatc	ttctctccct	gctcacctga	aggagagggc	cagtatcagg	ctttccaggc	73800
tacgtgctgg	tgatcatacc	atggcaaagg	gcggtgtctc	acacaggctg	cgggagagct	73860
gccctgctta	agcagagaat	tctggagcag	cagtgggtat	cccaggcagc	cacagggatt	73920
gccatggcaa	cacgcgaggg	agcagcagcg	ggagacggga	tggagcaggg	cgttttctag	73980
gctagagctg	aattcctggg	gtggtcagga	gagggctgga	gggcaagaga	tccataaacc	74040
cacagctgcc	ccgacagagg	gcagctctgc	tttgctcctg	gcccttgtc	agtggaaatc	74100
cgacaccccc	tggtacatgt	ctgttaggtg	tccagcctgg	gcagagggcc	ttgttgggtg	74160
gtggagaggg	ggaaggggaa	tcaaacttaa	ctgcagagat	ttgttttctc	agtacatctg	74220
aagaatagaa	atgggtttta	ggctgcgcca	gcctgcgttt	ttctacctgg	gggactctga	74280
gccatcaaag	ttaacctaga	ctagtaaccg	gggatcaatt	acagacctgt	aatatgcttt	74340
ccaacttccc	attgtaaaaa	gcagcctatt	tggaaaaaaa	ataaatgaaa	gtgcttttct	74400
tggctctctg	tgccactgag	ccagtgtgat	tccctccctc	cccagttgcc	tttgcccact	74460
tctcactcat	tacctctact	caattagcca	aggctgggtt	aacccctcaa	gagccaggat	74520
ttgggtgaga	ggggattgct	gtcaccttct	acaggcacgc	cctcctccta	gcacagttct	74580
cgggagcgca	gagcggggcca	agtccagagc	ctgccaacct	cctccccacc	ctctctctcg	74640
ctgccaaatc	tgactttgat	tagcgtgtgg	agggggagga	aagcaggaaa	atagaatatt	74700
aaaatcttaa	ttcaatttaa	aacactgtca	ttcacaggca	tgccaaacag	tgagatgact	74760
aattattatg	caaatgaggc	agatagaaaa	gtgattaata	attgcacaaa	ttaaaaatta	74820
ttgtaaacad	cctgtgacga	gtgataagtc	cgatggagag	gcgagagcgg	tgggccgggg	74880
aggccatggc	ggagctggct	cctgcctcct	tatttcctca	ttagggggat	ttaattagcg	74940
cctgatgatg	gggctccgtg	ctgccagggg	tggaggagtt	gggtggccagg	gcctgggcgg	75000
tctgtgctgg	atcctcgggt	tttctccagt	tctccttat	tgctctgtgg	ctggggctgg	75060
agctggctgc	acaggaggag	gggtgggttg	gggttgggga	aaggctggac	accatagagg	75120
agcaggtgct	gtgcaaagct	tctgtgccgc	cttccactgg	ccttttgccc	gctgctacct	75180
ctgtcattta	agtcctcagg	tgtgggtcag	gggtgttggg	gaggaggccc	ctgggtgagg	75240
aactgtgggc	acatcctgat	tcagccaggc	atattcctca	gggttttagtg	aagcgacaca	75300
cagggcacgt	ccccaatgct	gaaaggcccc	agggaggata	gacagggtata	tgatgctgcc	75360
tggggcctca	gggttgccct	gggtccaagt	ttccctgact	ctgctgggca	catagaaaact	75420
aagtcagtg	cctgagccaa	gtgacttgcc	cttagccatg	ttcaacctgc	atccaagcgc	75480
cccgcagcag	ggaatgctta	ggagtcactt	tggcttgggt	gggcatggct	gctgcaaggc	75540
aggggacaga	ggaggccgag	ttctttgggc	ccagcagcac	caggtgcttt	ccagggcatg	75600
cagccctcct	ggattcctcc	tgcccaaata	gggaagcagc	tgatatgttc	ttgacaaaac	75660
ataccagcca	gccacagtac	agcttcccc	tgccagtcce	cgagccctga	actctgagca	75720
ggaggggtag	ggagctgggc	taggctcaag	gaaaggctgg	tgatgatggg	aaatccatct	75780
ccctgctcca	ccccagtc	ccatggacct	tagggagatg	gtcttccttg	tccagagaag	75840
accacagaat	aagctgggag	gtgaagagcc	tgggtgaagag	cttttgctct	tcagaggaac	75900
agtggatgct	ggaaattctg	gcagttggga	aggcttctgg	acaggggcaa	gggtgggaatc	75960
tggcctttga	aagatgtaga	ggactcagaa	aagagggttg	gaggtgagaa	atagagagaa	76020
tagcgttatc	caagtcttta	ccttctctct	aagagcccag	attttcctaa	cgggggctaag	76080
aagctgaggt	tttcacaggc	caaaggccca	gcctgtgtgt	ccctaaattt	ctcttcctga	76140
gactgtgggt	taaaattaat	ttttttttcc	tggtaggggt	ttggaggtga	gaaagggttta	76200
tttctgtttc	aggactcaca	cagttatccc	agggttaata	acctgcacac	agccttgtca	76260
ccacagccac	tagtaccctt	cttccccacc	cctctctgcc	agcctcatgt	cttcaactctg	76320

gttctctgggt	ttctctagtc	cctttctgat	tctctggagga	ggaaagtctt	ttctatttgg	76380
gactgcaagt	ccacccctct	gacttctggc	taaagcttcc	tggactctga	aggctctccc	76440
ttcactgtga	actgttttagc	catagctgcc	aaccttcaac	aaactccctt	ctccatctcc	76500
tctcttttgc	cactcctgac	tcctgcccta	tgetaccctg	agccctcctt	gggttcttat	76560
tctgtttttc	ttttgttttg	gtttctctgg	ggctctgctg	aggcagcaaa	gggtgatggg	76620
gtatggtact	gattctgtgt	ttaccttgga	caaactatat	cacctctctg	tttctcatt	76680
gttataactg	ggaaaaatgt	acaatctcat	ggaatctttc	actttcccat	cttcatcagt	76740
tcattttatc	catcaagact	tcacctctac	gcgtcaagtg	ctggggatgc	aaagctgcag	76800
atgggtctcaa	ggaacgcgag	ccctgtttgg	aggcagataa	aggaaacgca	cgcgcagagg	76860
cgcggaggag	ggaggagaat	agaagtgtgg	agactggcaa	gggatttggg	atggcaggag	76920
gacaggttgc	actggggagt	ggtagagttg	gaggcctttt	gttccctgga	atttcaatac	76980
gatttttgtg	gctctgagca	ggtaagaaag	gactttgttg	gggtggcagg	caggactaac	77040
actgtgtttt	agaaagaycg	ttttggcagc	agtgtggaga	tgggcaaggc	tggaggcagg	77100
gtccccaccc	agaggcagct	gctgctgtct	gtatgaaaga	cgatgaactg	cagccatcag	77160
gtgtggctca	agagtcacgg	gaagaggaga	gagctttgtc	atgagtcaga	aaaggcagga	77220
tgcagcatct	cagtgactgt	gaggggtgac	gagggggcgt	cttgggtgac	acctgggttt	77280
ctggcatgga	gcaatgctct	tctttgagaa	gagggatcta	gggaagaagg	agagatgatg	77340
atgggtgtgc	tttgggaatc	ctgggaatga	ccacctggg	tttagttgcc	tgggacggag	77400
tgggaattga	atatctgcta	ttgaatat	gatattgaac	atgctgaatt	tggcgcttca	77460
tctgccttgc	ctgttttatt	tctcactctg	accataccta	gatcttttga	aaggaggctt	77520
gaccctatcc	tgaagcttga	ccttgacctt	ctacctttca	acattttggg	tagcgggcgc	77580
ctgcttgccg	actttctgag	atgcacttct	cagttattca	gctgtgtcta	cattcattcc	77640
cacaggtctt	gggcaggttg	gaagaaccca	catttgacct	tatggcattg	gacttgggtt	77700
gttgctacct	ctattctgtg	ccatggggaa	gaaggctctt	ctctgctgag	tcctaacagg	77760
cagatactgg	ctgtaaatac	tttctagacc	cctccccggt	gcccacgctc	tgaggctact	77820
cggaggggcgg	tgtgttgttg	ctgagacccc	tgaatcgcac	tacttcaggc	tgtccccctca	77880
cctcgggggt	ggagataaag	cctgggtctt	gagtttgagg	ggactgagcg	caggcagggc	77940
tcctagcagt	aaggtggaac	tgcttccctc	ctcagagcga	ctttctaaac	cagcttccca	78000
ttcctctgag	gctgccgcca	cccctgggaa	gcacacattt	gtggttgccg	aacagttgaa	78060
gggcagtggc	tctttcttcc	agggcagtgt	gggcctgcct	ctggctcccc	cgggagggct	78120
gcacccccac	ccacctgtgc	ccctcattaa	gagtaagcag	cccagagtgc	agcacttggt	78180
gggacccatg	aagaccccac	caggagtccc	tagtgggtccc	cagtgtctcc	attatgccct	78240
ctgcagttct	cacagtgcc	taggaaagtc	catgtgtctt	tgctctccag	agagctcctg	78300
gtcactttct	aatatgtctc	cagcaactca	gcattatcag	tattgcccc	atatctcttt	78360
gatggaatcc	ctatcaggct	actggcatte	atagctactt	cccacagaat	cccaggaaca	78420
ctccagtaat	tcccagtgag	ctcccagtag	tgccaggttg	ctcccatacc	tcacagtggg	78480
cttctagtga	tatcacattg	tgtaccagg	agcacctggg	gttcccccaa	gaacgttcca	78540
gcattgttccc	aagaatgtct	caacacatgg	catcaacatt	ccactattcc	tgcaagattt	78600
ccagtagatg	ccattacttc	tcaagttatc	tcaccaatg	ccactgatgt	gcttagagga	78660
gaatctgctg	tcttgcctac	caggaatgaa	gagaggttct	ttgcctactc	ctcctgcaag	78720
acacctgggc	tttctgtctt	tgggaggctg	gtaggggaagg	caaaggagtg	ggaataacat	78780
ttgttgagtg	atagccgtgg	cttaggcatt	tatttgtgca	ataaactgca	aggtgggtgg	78840
tatccctatt	ttatagactc	agaaactgtt	accagagag	tggagtaatt	tttttccaaa	78900
ggcagtaagt	ggcagggagt	gatcagaagg	gcagctctgt	caggtctgac	atccctgctt	78960
gtccggagcc	tgcagagacc	cagagaaggc	aaatcccagg	gccagagatg	cacagggtag	79020
gggcggggga	gggtgggcag	cgggtctctag	gtcctctcct	tccctcccta	cttgttttct	79080
tcctttggat	tgcaggcgta	ttcattcctg	agaaagaaaag	gaaaggggtt	aggactgggt	79140
gagctgtcct	ggtttctttg	gagagaagct	gtggttcccg	gaacgtcttg	gctctctggg	79200
gactgcaggg	gtcagatcca	tccctccag	tttcacatgc	ctactcagct	tcacatttcc	79260
acatccagtg	gctcaccaga	cccacccacc	ggcccagatg	accagtttcc	agggccgggc	79320
tcagggttct	gggtcccttc	ctgggcctgc	cctcagccct	gggcacaacc	tcaaactcca	79380
ggtcctgggt	tgtacatccg	cctttctgcc	cctttcccac	actcgctgct	gctctcccac	79440
tggctgcctt	ccctggcatg	ggtgaccttg	ctagtgccag	gggactctga	acagcgctga	79500
ctcagcaggt	ggggcgatgg	agccactctg	caggtgggga	aacaggggag	caaggctggt	79560
tctttctctt	ccttgacctg	gcggggtccc	tttgcccttg	ggagtgtgga	cgggaaggga	79620
gggagctgga	cagggaggat	gaggtccag	gccttgggtg	agggccttgg	tcggggagac	79680
gtgccccgt	ggcttggcct					

Leu 60	Glu	Gln	Asp	Leu	Asn 65	Asn	Met	Asn	Lys	Phe 70	Leu	Glu	Lys	Leu	Arg 75	
cct	ctg	agt	ggg	agc	gag	gct	cct	cgg	ctc	cca	cag	gac	ccg	gtg	ggc	293
Pro	Leu	Ser	Gly	Ser	Glu	Ala	Pro	Arg	Leu	Pro	Gln	Asp	Pro	Val	Gly	
				80					85					90		
atg	cgg	cgg	cag	ctg	cag	gag	gag	ttg	gag	gag	gtg	aag	gct	cgc	ctc	341
Met	Arg	Arg	Gln	Leu	Gln	Glu	Glu	Leu	Glu	Glu	Val	Lys	Ala	Arg	Leu	
			95					100					105			
cag	ccc	tac	atg	gca	gag	gcg	cac	gag	ctg	gtg	ggc	tgg	aat	ttg	gag	389
Gln	Pro	Tyr	Met	Ala	Glu	Ala	His	Glu	Leu	Val	Gly	Trp	Asn	Leu	Glu	
		110					115					120				
ggc	ttg	cgg	cag	caa	ctg	aag	ccc	tac	acg	atg	gat	ctg	atg	gag	cag	437
Gly	Leu	Arg	Gln	Gln	Leu	Lys	Pro	Tyr	Thr	Met	Asp	Leu	Met	Glu	Gln	
	125					130					135					
gtg	gcc	ctg	cgc	gtg	cag	gag	ctg	cag	gag	cag	ttg	cgc	gtg	gtg	ggg	485
Val	Ala	Leu	Arg	Val	Gln	Glu	Leu	Gln	Glu	Gln	Leu	Arg	Val	Val	Gly	
140					145					150					155	
gaa	gac	acc	aag	gcc	cag	ttg	ctg	ggg	ggc	gtg	gac	gag	gct	tgg	gct	533
Glu	Asp	Thr	Lys	Ala	Gln	Leu	Leu	Gly	Gly	Val	Asp	Glu	Ala	Trp	Ala	
				160					165					170		
ttg	ctg	cag	gga	ctg	cag	agc	cgc	gtg	gtg	cac	cac	acc	ggc	cgc	ttc	581
Leu	Leu	Gln	Gly	Leu	Gln	Ser	Arg	Val	Val	His	His	Thr	Gly	Arg	Phe	
			175				180						185			
aaa	gag	ctc	ttc	cac	cca	tac	gcc	gag	agc	ctg	gtg	agc	ggc	atc	ggg	629
Lys	Glu	Leu	Phe	His	Pro	Tyr	Ala	Glu	Ser	Leu	Val	Ser	Gly	Ile	Gly	
	190						195					200				
cgc	cac	gtg	cag	gag	ctg	cac	cgc	agt	gtg	gct	ccg	cac	gcc	ccc	gcc	677
Arg	His	Val	Gln	Glu	Leu	His	Arg	Ser	Val	Ala	Pro	His	Ala	Pro	Ala	
	205					210					215					
agc	ccc	gcg	cgc	ctc	agt	cgc	tgc	gtg	cag	gtg	ctc	tcc	cgg	aag	ctc	725
Ser	Pro	Ala	Arg	Leu	Ser	Arg	Cys	Val	Gln	Val	Leu	Ser	Arg	Lys	Leu	
220					225					230					235	
acg	ctc	aag	gcc	aag	gcc	ctg	cac	gca	cgc	atc	cag	cag	aac	ctg	gac	773
Thr	Leu	Lys	Ala	Lys	Ala	Leu	His	Ala	Arg	Ile	Gln	Gln	Asn	Leu	Asp	
			240						245					250		
cag	ctg	cgc	gaa	gag	ctc	agc	aga	gcc	ttt	gca	ggc	act	ggg	act	gag	821
Gln	Leu	Arg	Glu	Glu	Leu	Ser	Arg	Ala	Phe	Ala	Gly	Thr	Gly	Thr	Glu	
			255					260					265			
gaa	ggg	gcc	ggc	ccg	gac	ccc	cag	atg	ctc	tcc	gag	gag	gtg	cgc	cag	869
Glu	Gly	Ala	Gly	Pro	Asp	Pro										

365

ggagccttgg	ctctgagcct	ctagcatggt	tcagtccttg	aaagtggcct	gttgggtgga	1221
gggtggaagg	tcctgtgcag	gacagggagg	ccaccaaagg	ggctgctgtc	tcctgcatat	1281
ccagcctcct	gcgactcccc	aatctggatg	cattacattc	accaggcttt	gcaaaccag	1341
cctcccagtg	ctcatttggg	aatgctcatg	agttactcca	ttcaagggtg	agggagtagg	1401
gagggagagg	caccatgcat	gtgggtgatt	atctgcaagc	ctgtttgccg	tgatgctgga	1461
agcctgtgcc	actacatcct	ggagtttggc	tctagtcact	tctggctgcc	tggtggccac	1521
tgctacagct	gggccacaga	gaggagcact	tgtctcccca	gggctgccat	ggcagctatc	1581
aggggaatag	aagggagaaa	gagaatatca	tggggagaaac	atgtgatggt	gtgtgaatat	1641
ccctgctggc	tctgatgctg	gtgggtacga	aaggtgtggg	ctgtgatagg	agagggcaga	1701
gccccatgtt	cctgacatag	ctctacacct	aaataaggga	ctgaaccctc	ccaactgtgg	1761
gagctcctta	aacctcttgg	ggagcatact	gtgtgctctc	cccatctcca	gccccctcct	1821
ctgggttccc	aagttgaagc	ctagacttct	ggctcaaagt	aaatagatgt	ttatgata	1879

<210> 3

<211> 366

<212> PRT

<213> Homo sapiens

<400> 3

Met	Ala	Ser	Met	Ala	Ala	Val	Leu	Thr	Trp	Ala	Leu	Ala	Leu	Leu	Ser
1				5					10					15	
Ala	Phe	Ser	Ala	Thr	Gln	Ala	Arg	Lys	Gly	Phe	Trp	Asp	Tyr	Phe	Ser
			20					25					30		
Gln	Thr	Ser	Gly	Asp	Lys	Gly	Arg	Val	Glu	Gln	Ile	His	Gln	Gln	Lys
		35					40					45			
Met	Ala	Arg	Glu	Pro	Ala	Thr	Leu	Lys	Asp	Ser	Leu	Glu	Gln	Asp	Leu
	50					55					60				
Asn	Asn	Met	Asn	Lys	Phe	Leu	Glu	Lys	Leu	Arg	Pro	Leu	Ser	Gly	Ser
65				70					75					80	
Glu	Ala	Pro	Arg	Leu	Pro	Gln	Asp	Pro	Val	Gly	Met	Arg	Arg	Gln	Leu
			85					90						95	
Gln	Glu	Glu	Leu	Glu	Glu	Val	Lys	Ala	Arg	Leu	Gln	Pro	Tyr	Met	Ala
			100				105						110		
Glu	Ala	His	Glu	Leu	Val	Gly	Trp	Asn	Leu	Glu	Gly	Leu	Arg	Gln	Gln
		115				120					125				
Leu	Lys	Pro	Tyr	Thr	Met	Asp	Leu	Met	Glu	Gln	Val	Ala	Leu	Arg	Val
	130					135					140				
Gln	Glu	Leu	Gln	Glu	Gln	Leu	Arg	Val	Val	Gly	Glu	Asp	Thr	Lys	Ala
145					150				155					160	
Gln	Leu	Leu	Gly	Gly	Val	Asp	Glu	Ala	Trp	Ala	Leu	Leu	Gln	Gly	Leu
			165				170						175		
Gln	Ser	Arg	Val	Val	His	His	Thr	Gly	Arg	Phe	Lys	Glu	Leu	Phe	His
		180					185						190		
Pro	Tyr	Ala	Glu	Ser	Leu	Val	Ser	Gly	Ile	Gly	Arg	His	Val	Gln	Glu
	195					200						205			
Leu	His	Arg	Ser	Val	Ala	Pro	His	Ala	Pro	Ala	Ser	Pro	Ala	Arg	Leu
	210					215					220				
Ser	Arg	Cys	Val	Gln	Val	Leu	Ser	Arg	Lys	Leu	Thr	Leu	Lys	Ala	Lys
225				230					235					240	
Ala	Leu	His	Ala	Arg	Ile	Gln	Gln	Asn	Leu	Asp	Gln	Leu	Arg	Glu	Glu
			245				250							255	
Leu	Ser	Arg	Ala	Phe	Ala	Gly	Thr	Gly	Thr	Glu	Glu	Gly	Ala	Gly	Pro
		260				265						270			
Asp	Pro	Gln	Met	Leu	Ser	Glu	Glu	Val	Arg	Gln	Arg	Leu	Gln	Ala	Phe
	275					280						285			
Arg	Gln	Asp	Thr	Tyr	Leu	Gln	Ile	Ala	Ala	Phe	Thr	Arg	Ala	Ile	Asp
	290					295					300				

Gln Glu Thr Glu Glu Val Gln Gln Gln Leu Ala Pro Pro Pro Pro Gly
 305 310 315 320
 His Ser Ala Phe Ala Pro Glu Phe Gln Gln Thr Asp Ser Gly Lys Val
 325 330 335
 Leu Ser Lys Leu Gln Ala Arg Leu Asp Asp Leu Trp Glu Asp Ile Thr
 340 345 350
 His Ser Leu His Asp Gln Gly His Ser His Leu Gly Asp Pro
 355 360 365

<210> 4
 <211> 5381
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> 1..918
 <223> 5'regulatory region

<220>
 <221> exon
 <222> 919..930
 <223> exon 1

<220>
 <221> exon
 <222> 1442..1498
 <223> exon 2

<220>
 <221> exon
 <222> 1613..1724
 <223> exon 3

<220>
 <221> exon
 <222> 2243..3940
 <223> exon 4

<220>
 <221> misc_feature
 <222> 3941..5381
 <223> 3'regulatory region

<220>
 <221> allele
 <222> 319
 <223> 17-42-319 : polymorphic base C or T

<220>
 <221> allele
 <222> 3213
 <223> 17-41-250 : polymorphic base C or T

<220>
 <221> conflict
 <222> 1241
 <223> 17-39-343 : T in ref genbank AC007707

<222> 3194..3212
 <223> 17-41-250.mis

<220>
 <221> primer_bind
 <222> 3214..3232
 <223> 17-41-250.mis complement

<220>
 <221> misc_binding
 <222> 307..331
 <223> 17-42-319.probe

<220>
 <221> misc_binding
 <222> 3201..3225
 <223> 17-41-250.probe

<400> 4
 cagcagatga gactggaaat gagtcaggat gagccacagt ggaggatgaa ttaaattgggc 60
 aggagtgtgg tagaaagacc tgttggaggc tatgaatgca atcaaggatga cagacaactg 120
 gtgcaatgat ggtagtggaa atggaggaga ggggattgat tcaagatgca tttaggacca 180
 agaatcggga gcttgtgaac gtgtgtatga gtactgtaga cggagtgggt gtgtcatcag 240
 agaagatctg agcatttggg cttgctctcc tcagaggccc tgcgagtgga gttcagcttt 300
 tcctcatggg gcaaactctya ctttcgctcc agttcctggg gctcagagtc cctggcccag 360
 atgcctcttg ccatctcatc ttcaccctgc ctggcttccc ttgcttggtc caggattggt 420
 tcataaagag ggatgtgggt ggtctttaac cctatgaatg ctggctgagg atgcctgcgg 480
 aacctgtagt gaagctttca ggggctgctc gggttctggc tggtaggtga aactgtcca 540
 tcttgccggc tgggacacag tgactctggg tagtttgtga agagaggggc ccttggcaga 600
 caaacagggt cttctctggt ggtgggccag ccagcaggtc agtgggaagg ttaaaggcca 660
 tggggtttgg gagaaactgg gtgaggagtt cagcccatc ccccgtaaag ctctgggaa 720
 gcacttctct actggggcag cccctgatac cagggcactc attaacctc tgggtgccag 780
 ggaaagggca ggaggtgagt gctgggaggc agctgaggtc aacttctttt gaacttccac 840
 gtggtattta ctacagagcaa ttggtgccag aggtcaggg ccctggagta taaagcagaa 900
 tgtctgctct ctgtgcccag acgtgagcag gtgagcagct ggggcagagg gatgggggtc 960
 acagtcctaa gggagggcat tgcagggtggc ctcaggggag agcctggggg ggcccctaag 1020
 acgtcctctt ggaacatttt ggcagagttg cctcttcgcc ctcattatgg ctgagttttt 1080
 ccaccatgaa atgggaggga gggagacagg tgggcagggg agaggtggta gaagtggcct 1140
 agagaactgt tcttgggggt tgggaccttt gcgaagggtg tagagcacca cgctccctgc 1200
 tatgtgactg aggtgcaag agcagccct cttcccatgt ctgaggaaga caccctagcc 1260
 tccttgactc acctaggtca gtctcttga gcccacacag ctctgtgctc cccagcccaa 1320
 ggaaggggta acaggatttc gggcagttgc ccctgcagag gcccctggg caagtccctt 1380
 gcgccatgtc ccttcgtctc cttcttcccc taaccaggcc tccctccacc tgtcttctca 1440
 gagcagataa tggcaagcat ggctgccgtg ctcacctggg ctctggctct tctttcaggt 1500
 gggctctccga ccctgacttc aacgtggggg tgtgggtgga ggctggccag agggccctgt 1560
 ccaccctggg ggaggagagc ccaggccctg attacctagt ccctctccac agcgttttctg 1620
 gccaccaggc cacggaaagg cttctgggac tacttcagcc agaccagcgg ggacaaaggc 1680
 aggggtggag agatccatca gcagaagatg gctcgcgagc ccgcgtgagt gcccagggga 1740
 aggggtgtag gcgaaggag gagcagctg ggccatgcca tgatgacctg cctctgctgc 1800
 ctcaacctct tggggcgtg ctgggacaga ggaaaggagc ggtgctagct ctgtctgcag 1860
 atcccgcca tctggggtc tttagcgccc tctgcctgca gcccgcctt tgacaactcc 1920
 gtagctgttg ccccttctg cactgaggcg cgggacctgg gatcaatcgg gaggacgccc 1980
 gctgcagtc ccagaatcaa aggatgatgt ggcgcacta tgtttctttg gagagtgttg 2040
 taggtctgga tttgtatgg caatgtgttt gtgcttcgtg cgtgagttgt tactggccag 2100
 ggctaggaca agagccctcg accctggggc caacgcctg cgtccttggg tccccagag 2160
 gatcagtgcg cgatgacttg gggacaaaagg agatgatggg ggctagcagt ctgacggcct 2220
 ggatatctgt ccccttctcc aggaccctga aagacagcct tgagcaagac ctcaacaata 2280
 tgaacaagtt cctggaaaag ctgaggcctc tgagtgggag cgaggctcct cggctccac 2340

```

aggaccgggt gggcatgcgg cggcagctgc aggaggagtt ggaggagggtg aaggctcgcc 2400
tccagcccta catggcagag gcgcacgagc tgggtgggctg gaatttggag ggcttgcggc 2460
agcaactgaa gccctacacg atggatctga tggagcaggt ggccctgcgc gtgcaggagc 2520
tgcaggagca gttgcgcgtg gtgggggaag acaccaaggc ccagttgctg gggggcgtgg 2580
acgaggcttg ggctttgctg cagggactgc agagccgcgt ggtgcaccac accggccgct 2640
tcaaagagct cttccacca tacgccgaga gcctggtgag cggcatcggg cgccacgtgc 2700
aggagctgca ccgcagtgtg gctccgcacg ccccgccag ccccgcgcg ctcagtcgct 2760
gcgtgcaggt gctctcccgg aagctcacgc tcaaggccaa ggccctgcac gcacgcatcc 2820
agcagaacct ggaccagctg cgcgaagagc tcagcagagc ctttgcaggc actgggactg 2880
aggaaggggc cggcccggac ccccagatgc tctccgagga ggtgcgccag cgacttcagg 2940
ctttccgcca ggacacctac ctgcagatag ctgccttcac tcgcgccatc gaccaggaga 3000
ctgaggaggt ccagcagcag ctggcgccac ctcaccagg ccacagtgc ttcgccccag 3060
agtttcaaca aacagacagt ggcaaggttc tgagcaagct gcaggcccg ctggtgacc 3120
tgtgggaaga catcactcac agccttcatg accagggcc cagccatctg ggggacctt 3180
gaggatctac ctgcccaggc ccattcccag ctycttgtct ggggagcctt ggctctgagc 3240
ctctagcatg gttcagtcct tgaaagtggc ctggtgggtg gaggtggaa ggtcctgtgc 3300
aggacaggga ggccaccaaa ggggctgctg tctcctgcat atccagcctc ctgcgactcc 3360
ccaatctgga tgcattacat tcaccaggct ttgcaaacc agcctcccag tgctcatttg 3420
ggaatgctca tgagttactc cattcaaggg tgaggaggta gggagggaga ggcaccatgc 3480
atgtgggtga ttatctgcaa gcctgtttgc cgtgatgctg gaagcctgtg ccactacatc 3540
ctggagtttg gctctagtca ctcttggtct cctgggtggc actgctacag ctggtccaca 3600
gagaggagca cttgtctccc cagggctgcc atggcagcta tcaggggaaat agaagggaga 3660
aagagaatat catggggaga acatgtgatg gtgtgtgaat atccctgctg gctctgatgc 3720
tggtgggtac gaaaggtgtg ggctgtgata ggagagggca gagcccatgt ttcctgacat 3780
agctctacac cttaaataagg gactgaacct tcccaactgt gggagctcct taaaccctct 3840
ggggagcata ctgtgtgctc tccccatctc cagccccctc ctctgggttc ccaagttaga 3900
gcctagactt ctggctcaaa tgaaatagat gtttatgata gaagtttgcc tggcgtgact 3960
ctcatttgga ccatgtctga aagcagtggc ctcaccacta tccccaaagc acacccatca 4020
cccactccat tcccttgctg ctctttctca tccaccacta cccagtccag gtctgtcaaa 4080
gggggtctgg ctgggctctg cttcagggat cctggctaga caacggctgt ctgtcacacc 4140
tggcaggagg gctgggtta cggcccttc ctctgcacct gcactgttca ctagcctgct 4200
ccccacagg acactgtgca tggaatgcag gctgtgtctg gaagagctgt ggccctgggtg 4260
gacctaatg tctgaggtg ggctgcctcc tttgttctct ctgttctaga gtttgaatgg 4320
cctcttttta tgccggactc tcttctgggg actccctca ctcaggggca ccaatgctcc 4380
ctatagatcc cctgggaact gaaactgggg tgtgggtggag gacgtggaaa gggtaaacac 4440
agctccttgt ctttggaact ccctgtccgg cccctttcc tcccagctca gcctactgtc 4500
cccgggttct cagcacctgc ctgctcccca accccatagc acagacccca cacatatgta 4560
ggctcatcat gcctgcaggc tggctctccc tgacaccgtg gattttgaca atgttggcaa 4620
cagaactggg ttgtggacct agcacctgga gagaggaggt gctagaaagg tagaaataat 4680
aaaagggtgt tttgttgttg ttaggaaact ggaaaagcat aggtcaagggt ctatgatggg 4740
gatgaggagg taggagtga aatgagggct gtgtacttga ggctgggatt ggggaaggta 4800
gtgatgagga cagaataggg agtggggaaga acagaaaggg acagagggat tcagggattg 4860
tgagagaggg gaagaggctg agccaccgg aggggcgacc tagcacgcaa gcagtatgtg 4920
gccaacact ggaaccaagc agcccggtc cgggcgcacc ttctcaggga ttcctcaggg 4980
acaagtccag ccccttgctg tcaaggctct tgtagaccga cgtagggacc aatagaacct 5040
cgtgcggttg agctattgtg aaggagcaaa aaagtgcctt ggttctaaga ggacgtctta 5100
ggggaagtga cggctgagtt gaggtggatc cggctggcga tgtaaggttc gagccatata 5160
aaccgggaa ccgggagccc ttgacgacat tcttcccaga gtgcccggag tctgcggctt 5220
ttttgggggt ggtggcagct ggcggaagt cgggagagg ggtggggccg cgagagcggc 5280
ggaagttaga agccagaggt tgaattgcgc gtggtggcca tggcgccag cggggctgtg 5340
gaaccagggc ccccgggggc tgccgtcgcc ccgtcgccc c 5381

```

<210> 5
 <211> 18
 <212> DNA
 <213> Artificial Sequence
 <220>

18

```
<210> 6
<211> 18
<212> DNA
<213> Artificial Sequence
```

```
<220>  
<223> sequencing oligonucleotide PrimerRP
```

18